

CERTIFICATE OF ANALYSIS

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|-----------------------------|---|
| Product Name | SARS-CoV-2 Spike Glycoprotein |
| Cat No. | RP30020 |
| Lot No | E3489222B |
| Sequence | See appendix for details |
| Modification | N/A |
| Size | Subpool 1: 3.95mg and Subpool 2: 3.95mg |
| Storage | -20°C |
| Recommended Solvent* | Dimethyl sulfoxide(Analytical grade) |
| HPLC purity | Crude |
| Appearance | White lyophilized powder |
| Comments | TFA salts |

*Note: Above recommended solvents for reference only. If there is any request for detailed dissolution conditions, we suggest you choose our 'Peptide Solubility Test Service'.

Caution:

For laboratory or further manufacturing use only. Not intended for household use. If you have any questions about the Certificate of Analysis, please contact our customer service representative at 1-877-436-7274 (TollFree), or 1-732-885-9188.

Shanshan Wei

Certified by:

Date: 03/01/2022

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Appendix:

| Subpool 1 | | | |
|-----------------|---------|----------|--------|
| Sequence | MW | Quantity | Purity |
| MFVFLVLLPLVSSQC | 1696.13 | 25ug | Crude |
| LVLLPLVSSQCVNLT | 1598.95 | 25ug | Crude |
| PLVSSQCVNLTRTQ | 1646.87 | 25ug | Crude |
| SQCVNLTTRTQLPPA | 1628.86 | 25ug | Crude |
| NLTRTQLPPAYTNS | 1676.83 | 25ug | Crude |

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|-----------------|---------|------|-------|
| RTQLPPAYTNSFTRG | 1708.88 | 25ug | Crude |
| PPAYTNSFTRGVYYP | 1732.90 | 25ug | Crude |
| TNSFTRGVYYPDKVF | 1793.98 | 25ug | Crude |
| TRGVYYPDKVFRSSV | 1773.99 | 25ug | Crude |
| YYPDKVFRSSVLHST | 1799.00 | 25ug | Crude |
| KVFRSSVLHSTQDLF | 1764.00 | 25ug | Crude |
| SSVLHSTQDLFLPFF | 1737.96 | 25ug | Crude |
| HSTQDLFLPFFSNVT | 1752.93 | 25ug | Crude |
| DLFLPFFSNVTWFHA | 1841.08 | 25ug | Crude |
| PFFSNVTWFHAIHVS | 1789.01 | 25ug | Crude |
| NVTWFHAIHVSGTNG | 1639.78 | 25ug | Crude |
| FHAIHVSGTNGTKRF | 1671.86 | 25ug | Crude |
| HVSGTNGTKRFDNPV | 1628.75 | 25ug | Crude |
| TNGTKRFDNPVLPFN | 1719.90 | 25ug | Crude |
| KRFDNPVLPFNDGVY | 1780.98 | 25ug | Crude |
| NPVLPFNDGVYFAST | 1640.80 | 25ug | Crude |
| PFNDGVYFASTEKSN | 1675.76 | 25ug | Crude |
| GVYFASTEKSNIIRG | 1641.83 | 25ug | Crude |
| ASTEKSNIIRGWIFG | 1678.89 | 25ug | Crude |
| KSNIIRGWIFGTTLD | 1720.97 | 25ug | Crude |
| IRGWIFGTTLDSTQ | 1722.95 | 25ug | Crude |
| IFGTTLDSTQSLLI | 1636.89 | 25ug | Crude |
| TLDSKTQSLLIVNNA | 1616.82 | 25ug | Crude |
| KTQSLLIVNNATNVV | 1613.86 | 25ug | Crude |
| LLIVNNATNVVIKVC | 1612.98 | 25ug | Crude |
| NNATNVVIKVCEFQF | 1725.97 | 25ug | Crude |
| NVVIKVCEFQFCNDP | 1755.03 | 25ug | Crude |
| KVCEFQFCNDPFLGV | 1746.02 | 25ug | Crude |
| FQFCNDPFLGVYYHK | 1878.12 | 25ug | Crude |
| NDPFLGVYYHKNNKS | 1795.96 | 25ug | Crude |
| LGVYYHKNNKSWMES | 1856.07 | 25ug | Crude |
| YHKNNKSWMESEFRV | 1955.17 | 25ug | Crude |
| NKSWMESEFRVYSSA | 1820.98 | 25ug | Crude |
| MESEFRVYSSANNCT | 1737.87 | 25ug | Crude |
| FRVYSSANNCTFEYV | 1799.96 | 25ug | Crude |
| SSANNCTFEYVSQPF | 1693.80 | 25ug | Crude |
| NCTFEYVSQPFLMDL | 1807.06 | 25ug | Crude |
| EYVSQPFLMDLEGKQ | 1784.00 | 25ug | Crude |
| QPFLMDLEGKQGNFK | 1752.01 | 25ug | Crude |
| MDLEGKQGNFKNLRE | 1778.99 | 25ug | Crude |
| GKQGNFKNLREFVFK | 1812.09 | 25ug | Crude |
| NFKNLREFVFKNIDG | 1841.08 | 25ug | Crude |
| LREFVFKNIDGYFKI | 1889.21 | 25ug | Crude |
| VFKNIDGYFKIYSKH | 1859.14 | 25ug | Crude |
| IDGYFKIYSKHTPIN | 1796.04 | 25ug | Crude |
| FKIYSKHTPINLVRD | 1831.13 | 25ug | Crude |
| SKHTPINLVRDLPQG | 1674.91 | 25ug | Crude |
| PINLVRDLPQGFSAL | 1639.90 | 25ug | Crude |

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|---------------------|---------|------|-------|
| VRDLPQGFSALEPLV | 1640.89 | 25ug | Crude |
| PQGFSALEPLVDLPI | 1595.84 | 25ug | Crude |
| SALEPLVDLPIGINI | 1563.84 | 25ug | Crude |
| PLVDLPIGINITRFQ | 1696.01 | 25ug | Crude |
| LPIGINITRFQTLA | 1670.01 | 25ug | Crude |
| INITRFQTLALHRS | 1783.09 | 25ug | Crude |
| RFQTLALHRSYLTP | 1816.12 | 25ug | Crude |
| LLALHRSYLTPGDSS | 1629.82 | 25ug | Crude |
| HRSYLTPGDSSSGWT | 1650.71 | 25ug | Crude |
| LTPGDSSSGWTAGAA | 1377.42 | 25ug | Crude |
| DSSSGWTAGAAAYV | 1505.55 | 25ug | Crude |
| GWTAGAAAYVGYLQ | 1590.74 | 25ug | Crude |
| GAAAYVGYLQPRTF | 1676.88 | 25ug | Crude |
| YVGYLQPRTFLLKY | 1924.25 | 25ug | Crude |
| YLQPRTFLLKYNENG | 1856.09 | 25ug | Crude |
| RTFLLKYNENGTITD | 1784.97 | 25ug | Crude |
| LKYNENGTITDAVDC | 1655.79 | 25ug | Crude |
| ENGTITDAVDCALDP | 1533.62 | 25ug | Crude |
| ITDAVDCALDPLSET | 1562.70 | 25ug | Crude |
| VDCALDPLSETKCTL | 1607.85 | 25ug | Crude |
| LDPLSETKCTLKSFT | 1682.94 | 25ug | Crude |
| SETKCTLKSFTVEKG | 1657.89 | 25ug | Crude |
| CTLKSFTVEKGIYQT | 1717.99 | 25ug | Crude |
| SFTVEKGIYQTSNFR | 1776.95 | 25ug | Crude |
| EKGIYQTSNFRVQPT | 1767.94 | 25ug | Crude |
| YQTSNFRVQPTESIV | 1768.93 | 25ug | Crude |
| NFRVQPTESIVRFPN | 1804.02 | 25ug | Crude |
| QPTESIVRFPNITNL | 1728.95 | 25ug | Crude |
| SIVRFPNITNLCPFGEVFN | 1677.97 | 25ug | Crude |
| FPNITNLCPFGEVFN | 1711.94 | 25ug | Crude |
| TNLCPFGEVFNATRF | 1715.93 | 25ug | Crude |
| PFGEVFNATRFASVY | 1704.89 | 25ug | Crude |
| VFNATRFASVYAWNR | 1802.01 | 25ug | Crude |
| TRFASVYAWNRKRIS | 1855.12 | 25ug | Crude |
| SVYAWNRKRISNCVA | 1767.03 | 25ug | Crude |
| WNRKRISNCVADYSV | 1811.04 | 25ug | Crude |
| RISNCVADYSVLYNS | 1703.88 | 25ug | Crude |
| CVADYSVLYNSASFV | 1625.76 | 25ug | Crude |
| YSVLYNSASFSTFKC | 1716.92 | 25ug | Crude |
| YNSASFSTFKCYGVS | 1660.81 | 25ug | Crude |
| SFSTFKCYGVSPKTL | 1664.93 | 25ug | Crude |
| FKCYGVSPKTLNDLC | 1687.99 | 25ug | Crude |
| GVSPKTLNDLCFTNV | 1607.83 | 25ug | Crude |
| TKLNDLCFTNVYADS | 1703.88 | 25ug | Crude |
| DLCFTNVYADSFVIR | 1762.99 | 25ug | Crude |
| TNVYADSFVIRGDEV | 1684.81 | 25ug | Crude |
| ADSFVIRGDEVQRQA | 1675.85 | 25ug | Crude |
| VIRGDEVQRQAIPGQT | 1638.83 | 25ug | Crude |

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|-------------------|---------|------|-------|
| DEVQRQIAPGQQTGKIA | 1582.76 | 25ug | Crude |
| QIAPGQQTGKIADYNY | 1638.78 | 25ug | Crude |
| GQTGKIADYNYKLPD | 1682.84 | 25ug | Crude |
| KIADYNYKLPDDFTG | 1759.92 | 25ug | Crude |
| YNYKLPDDFTGCVIA | 1718.93 | 25ug | Crude |
| LPDDFTGCVIAWNSN | 1651.80 | 25ug | Crude |
| FTGCVIAWNSNNLDS | 1640.78 | 25ug | Crude |
| VIAWNSNNLDSKVG | 1573.71 | 25ug | Crude |
| NSNNLDSKVGNYNY | 1658.69 | 25ug | Crude |
| LDSKVGNYNYLYRL | 1774.98 | 25ug | Crude |
| VGGNYNYLYRLFRKS | 1850.09 | 25ug | Crude |
| YNYLYRLFRKSNLKP | 1975.31 | 25ug | Crude |
| YRLFRKSNLKPFERD | 1969.26 | 25ug | Crude |
| RKSNLKPFERDISTE | 1820.02 | 25ug | Crude |
| LKPFERDISTEIQQA | 1810.02 | 25ug | Crude |
| ERDISTEIQAGSTP | 1666.75 | 25ug | Crude |
| STEIQAGSTPCNGV | 1526.63 | 25ug | Crude |
| YQAGSTPCNGVEGFN | 1543.62 | 25ug | Crude |
| STPCNGVEGFNCYFP | 1634.80 | 25ug | Crude |
| NGVEGFNCYFPLQSY | 1737.89 | 25ug | Crude |
| GFNCYFPLQSYGFQP | 1767.96 | 25ug | Crude |
| YFPLQSYGFQPTNGV | 1717.88 | 25ug | Crude |
| QSYGFQPTNGVGYQP | 1642.73 | 25ug | Crude |
| FQPTNGVGYQPYRVV | 1724.92 | 25ug | Crude |
| NGVGYQPYRVVLSF | 1697.94 | 25ug | Crude |
| YQPYRVVLSFELLH | 1863.17 | 25ug | Crude |
| RVVLSFELLHAPAT | 1651.95 | 25ug | Crude |
| LSFELLHAPATVCGP | 1554.82 | 25ug | Crude |
| LLHAPATVCGPKKST | 1522.82 | 25ug | Crude |
| PATVCGPKKSTNLVK | 1542.85 | 25ug | Crude |
| CGPKKSTNLVKNKCV | 1618.97 | 25ug | Crude |
| KSTNLVKNKCVNFNF | 1756.04 | 25ug | Crude |
| LVKNKCVNFNFGLT | 1711.00 | 25ug | Crude |
| KCVNFNFGLTGTGV | 1570.78 | 25ug | Crude |
| FNFNGLTGTGVLTES | 1556.68 | 25ug | Crude |
| GLTGTGVLTESNKKF | 1551.75 | 25ug | Crude |
| TGVLTESNKKFLPFQ | 1708.96 | 25ug | Crude |
| TESNKKFLPFQQFGR | 1827.06 | 25ug | Crude |
| KKFLPFQQFGRDIAD | 1810.07 | 25ug | Crude |
| PFQQFGRDIADTTDA | 1681.76 | 25ug | Crude |
| FGRDIADTTDAVRDP | 1648.74 | 25ug | Crude |
| IADTTDAVRDPQTLE | 1644.74 | 25ug | Crude |
| TDAVRDPQTLEILDI | 1698.88 | 25ug | Crude |
| RDPQTLEILDITPCS | 1700.92 | 25ug | Crude |
| TLEILDITPCSFGGV | 1564.81 | 25ug | Crude |
| LDITPCSFGGVSVIT | 1508.74 | 25ug | Crude |
| PCSFGGVSVITPGTN | 1435.61 | 25ug | Crude |
| GGVSVITPGTNTSNQ | 1431.51 | 25ug | Crude |

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| VITPGTNTSNQVAVL | 1513.70 | 25ug | Crude |
| GTNTSNQVAVLYQDV | 1608.71 | 25ug | Crude |
| SNQVAVLYQDVNCTE | 1682.81 | 25ug | Crude |
| AVLYQDVNCTEVPVA | 1620.83 | 25ug | Crude |
| QDVNCTEVPVAIHAD | 1610.75 | 25ug | Crude |
| CTEVPVAIHADQLTP | 1593.81 | 25ug | Crude |
| PVAIHADQLTPTWRV | 1703.95 | 25ug | Crude |
| HADQLTPTWRVYSTG | 1731.87 | 25ug | Crude |
| LTPTWRVYSTGSNVF | 1727.92 | 25ug | Crude |
| Subpool 2 | | | |
| Sequence | MW | Quantity | Purity |
| WRVYSTGSNVFQTRA | 1771.94 | 25ug | Crude |
| STGSNVFQTRAGCLI | 1553.75 | 25ug | Crude |
| NVFQTRAGCLIGAEH | 1615.82 | 25ug | Crude |
| TRAGCLIGAEHVNNS | 1541.70 | 25ug | Crude |
| CLIGAEHVNNSYECD | 1666.80 | 25ug | Crude |
| AEHVNNSYECDIPIG | 1660.77 | 25ug | Crude |
| NNSYECDIPIGAGIC | 1568.73 | 25ug | Crude |
| ECDIPIGAGICASYQ | 1539.74 | 25ug | Crude |
| PIGAGICASYQTQTN | 1523.67 | 25ug | Crude |
| GICASYQTQTNSPRR | 1681.84 | 25ug | Crude |
| SYQTQTNSPRRARSV | 1750.88 | 25ug | Crude |
| QTNSPRRARSVASQS | 1644.76 | 25ug | Crude |
| PRRARSVASQSIIAY | 1674.91 | 25ug | Crude |
| RSVASQSIIAYTMSL | 1626.88 | 25ug | Crude |
| SQSIIAYTMSLGAEN | 1584.75 | 25ug | Crude |
| IAYTMSLGAENSVAY | 1589.77 | 25ug | Crude |
| MSLGAENSVAYSNNS | 1543.62 | 25ug | Crude |
| AENSVAYSNNSIAIP | 1549.64 | 25ug | Crude |
| VAYSNNSIAIPTNFT | 1611.76 | 25ug | Crude |
| NNSIAIPTNFTISVT | 1591.77 | 25ug | Crude |
| AIPTNFTISVTTEIL | 1619.86 | 25ug | Crude |
| NFTISVTTEILPVSM | 1651.93 | 25ug | Crude |
| SVTTEILPVSMTKTS | 1593.85 | 25ug | Crude |
| EILPVSMTKTSVDCT | 1623.90 | 25ug | Crude |
| VSMTKTSVDCTMYIC | 1682.02 | 25ug | Crude |
| KTSVDCTMYICGDST | 1623.83 | 25ug | Crude |
| DCTMYICGDSTECNS | 1641.78 | 25ug | Crude |
| YICGDSTECNSLLLQ | 1658.86 | 25ug | Crude |
| DSTECNSLLLQYGSF | 1676.81 | 25ug | Crude |
| CSNLLLQYGSFCTQL | 1689.96 | 25ug | Crude |
| LLQYGSFCTQLNRAL | 1727.00 | 25ug | Crude |
| GSFCTQLNRALTGIA | 1551.77 | 25ug | Crude |
| TQLNRALTGIAVEQD | 1628.79 | 25ug | Crude |
| RALTGIAVEQDKNTQ | 1643.80 | 25ug | Crude |
| GIAVEQDKNTQEVEFA | 1648.78 | 25ug | Crude |
| EQDKNTQEVEFAQVKQ | 1791.92 | 25ug | Crude |
| NTQEVEFAQVKQIYKT | 1797.03 | 25ug | Crude |

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|-----------------|---------|------|-------|
| VFAQVKQIYKTPPIK | 1760.14 | 25ug | Crude |
| VKQIYKTPPIKDFGG | 1690.99 | 25ug | Crude |
| YKTPPIKDFGGFNFS | 1717.93 | 25ug | Crude |
| PIKDFGGFNFSQILP | 1679.92 | 25ug | Crude |
| FGGFNFSQILPDPSK | 1653.84 | 25ug | Crude |
| NFSQILPDPSKPSKR | 1713.94 | 25ug | Crude |
| ILPDPSKPSKRSFIE | 1713.98 | 25ug | Crude |
| PSKPSKRSFIEDLLF | 1764.04 | 25ug | Crude |
| SKRSFIEDLLFNKVT | 1797.07 | 25ug | Crude |
| FIEDLLFNKVTLADA | 1708.96 | 25ug | Crude |
| LLFNKVTLADAGFIK | 1649.98 | 25ug | Crude |
| KVTLADAGFIKQYGD | 1625.83 | 25ug | Crude |
| ADAGFIKQYGDCLGD | 1572.70 | 25ug | Crude |
| FIKQYGDCLGDIAAR | 1669.91 | 25ug | Crude |
| YGDCLGDIAARDLIC | 1597.82 | 25ug | Crude |
| LGDIAARDLICAQKF | 1633.92 | 25ug | Crude |
| AARDLICAQKFNGLT | 1620.88 | 25ug | Crude |
| LICAQKFNGLTVLPP | 1613.97 | 25ug | Crude |
| QKFNGLTVLPPLTD | 1655.94 | 25ug | Crude |
| GLTVLPPLTDEMIA | 1582.91 | 25ug | Crude |
| LPPLTDEMIAQYTS | 1691.95 | 25ug | Crude |
| LTDEMIAQYTSALLA | 1639.87 | 25ug | Crude |
| MIAQYTSALLAGTIT | 1553.83 | 25ug | Crude |
| YTSALLAGTITSGWT | 1541.71 | 25ug | Crude |
| LLAGTITSGWTFGAG | 1451.63 | 25ug | Crude |
| TITSGWTFGAGAALQ | 1480.63 | 25ug | Crude |
| GWTFGAGAALQIPFA | 1506.71 | 25ug | Crude |
| GAGAALQIPFAMQMA | 1476.77 | 25ug | Crude |
| ALQIPFAMQMAYRFN | 1801.15 | 25ug | Crude |
| PFAMQMAYRFNGIGV | 1702.02 | 25ug | Crude |
| QMAYRFNGIGVTQNV | 1697.92 | 25ug | Crude |
| RFNGIGVTQNVLYEN | 1723.89 | 25ug | Crude |
| IGVTQNVLYENQKLI | 1731.99 | 25ug | Crude |
| QNVLYENQKLIANQF | 1822.03 | 25ug | Crude |
| YENQKLIANQFNSAI | 1752.93 | 25ug | Crude |
| KLIANQFNSAIGKIQ | 1644.92 | 25ug | Crude |
| NQFNSAIGKIQDSLS | 1621.75 | 25ug | Crude |
| SAIGKIQDSLSSTAS | 1464.58 | 25ug | Crude |
| KIQDSLSSTASALGK | 1505.68 | 25ug | Crude |
| SLSSTASALGKLQDV | 1476.64 | 25ug | Crude |
| TASALGKLQDVVNQN | 1557.71 | 25ug | Crude |
| LGKLQDVVNQNAQAL | 1610.82 | 25ug | Crude |
| QDVVNQNAQALNTLV | 1626.77 | 25ug | Crude |
| NQNAQALNTLVKQLS | 1641.83 | 25ug | Crude |
| QALNTLVKQLSSNFG | 1619.82 | 25ug | Crude |
| TLVKQLSSNFGAISS | 1551.75 | 25ug | Crude |
| QLSSNFGAISSVLND | 1551.66 | 25ug | Crude |
| NFGAISSVLNDILSR | 1605.80 | 25ug | Crude |

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| ISSVLNDILSRDLKV | 1671.94 | 25ug | Crude |
| LNDILSRLDKVEAEV | 1713.93 | 25ug | Crude |
| LSRLDKVEAEVQIDR | 1770.99 | 25ug | Crude |
| DKVEAEVQIDRLITG | 1685.88 | 25ug | Crude |
| AEVQIDRLITGRLQS | 1698.93 | 25ug | Crude |
| IDRLITGRLQSLQTY | 1777.04 | 25ug | Crude |
| ITGRLQSLQTYVTQQ | 1735.94 | 25ug | Crude |
| LQSLQTYVTQQLIRA | 1762.02 | 25ug | Crude |
| QTYVTQQLIRAAEIR | 1790.04 | 25ug | Crude |
| TQQLIRAAEIRASAN | 1641.83 | 25ug | Crude |
| IRAAEIRASANLAAT | 1527.73 | 25ug | Crude |
| EIRASANLAATKMSE | 1591.79 | 25ug | Crude |
| SANLAATKMSECVLG | 1494.74 | 25ug | Crude |
| AATKMSECVLGQSKR | 1608.89 | 25ug | Crude |
| MSECVLGQSKRVDFC | 1701.99 | 25ug | Crude |
| VLGQSKRVDFCGKGY | 1656.91 | 25ug | Crude |
| SKRVDFCGKGYHLMS | 1728.01 | 25ug | Crude |
| DFCGKGYHLMSFPQS | 1716.94 | 25ug | Crude |
| KGYHLMSFPQSAPHG | 1656.87 | 25ug | Crude |
| LMSFPQSAPHGVVFL | 1629.93 | 25ug | Crude |
| PQSAPHGVVFLHVTY | 1651.87 | 25ug | Crude |
| PHGVVFLHVTYVPAQ | 1663.92 | 25ug | Crude |
| VFLHVTYVPAQEKNF | 1792.05 | 25ug | Crude |
| VTYVPAQEKNFTTAP | 1665.85 | 25ug | Crude |
| PAQEKNFTTAPAICH | 1627.83 | 25ug | Crude |
| KNFTTAPAICHDGKA | 1573.78 | 25ug | Crude |
| TAPAICHDGKAHFPR | 1620.84 | 25ug | Crude |
| ICHDGKAHFPREGVF | 1712.94 | 25ug | Crude |
| GKAHFPREGVFVSNG | 1601.77 | 25ug | Crude |
| FPREGVFSNGTHWF | 1779.96 | 25ug | Crude |
| GVFVSNGTHWFVTQR | 1734.92 | 25ug | Crude |
| SNGTHWFVTQRNFYE | 1886.00 | 25ug | Crude |
| HWFVTQRNFYEPQII | 1978.22 | 25ug | Crude |
| TQRNFYEPQIITTDN | 1839.96 | 25ug | Crude |
| FYEPQIITTDNTFVS | 1774.93 | 25ug | Crude |
| QIITTDNTFVSGNCD | 1627.74 | 25ug | Crude |
| TDNTFVSGNCDVVIG | 1540.66 | 25ug | Crude |
| FVSGNCDVVIGIVNN | 1549.75 | 25ug | Crude |
| NCDVVIGIVNNTVYD | 1637.82 | 25ug | Crude |
| VIGIVNNTVYDPLQP | 1641.87 | 25ug | Crude |
| VNNTVYDPLQPELDS | 1703.81 | 25ug | Crude |
| VYDPLQPELDSFKEE | 1808.94 | 25ug | Crude |
| LQPELDSFKEELDKY | 1854.03 | 25ug | Crude |
| LDSFKEELDKYFKNH | 1913.10 | 25ug | Crude |
| KEELDKYFKNHTSPD | 1850.99 | 25ug | Crude |
| DKYFKNHTSPDVLG | 1735.86 | 25ug | Crude |
| KNHTSPDVLGDISG | 1554.62 | 25ug | Crude |
| SPDVLGDISGINAS | 1459.52 | 25ug | Crude |

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| DLGDISGINASVVNI | 1486.63 | 25ug | Crude |
| ISGINASVVNIQKEI | 1584.82 | 25ug | Crude |
| NASVVNIQKEIDRLN | 1712.91 | 25ug | Crude |
| VNIQKEIDRLNEVAK | 1769.02 | 25ug | Crude |
| KEIDRLNEVAKNLNE | 1784.97 | 25ug | Crude |
| RLNEVAKNLNESLID | 1727.92 | 25ug | Crude |
| VAKNLNESLIDLQEL | 1698.92 | 25ug | Crude |
| LNESLIDLQELGKYE | 1763.95 | 25ug | Crude |
| LIDLQELGKYEQYIK | 1853.13 | 25ug | Crude |
| QELGKYEQYIKWPWY | 2031.28 | 25ug | Crude |
| KYEQYIKWPWYIWLG | 2073.40 | 25ug | Crude |
| YIKWPWYIWLGFIAI | 1913.27 | 25ug | Crude |
| PWYIWLGFIAGLIAI | 1733.11 | 25ug | Crude |
| WLGFIAGLIAIVMVT | 1604.02 | 25ug | Crude |
| IAGLIAIVMVTIMLC | 1561.08 | 25ug | Crude |
| IAIVMVTIMLCCMTS | 1629.15 | 25ug | Crude |
| MVTIMLCCMTSCCSC | 1629.14 | 25ug | Crude |
| MLCCMTSCCCLKGC | 1586.07 | 25ug | Crude |
| MTSCCCLKGCCSCG | 1485.85 | 25ug | Crude |
| CSCCLKGCCSCGSCCK | 1484.86 | 25ug | Crude |
| KGCCSCGSCCKFDED | 1584.80 | 25ug | Crude |
| SCGSCCKFDEDDSEP | 1621.69 | 25ug | Crude |
| CCKFDEDDSEPVKLG | 1684.85 | 25ug | Crude |
| DEDDSEPVKLGVKLH | 1680.82 | 25ug | Crude |
| SEPVKLGVKLHYT | 1470.72 | 25ug | Crude |