

## CERTIFICATE OF ANALYSIS

### Product Information

Product Name	CHO-K1/CCKB
Cat. No.	M00154
Lot No.	B80011802
Host Cell:	CHO-K1
Target Gene:	CCKB
Quantity:	2 vials of frozen cells
Shipping Condition:	Dry Ice
Recommended Storage Condition:	Liquid Nitrogen

### Stable Cell Line Information

**Recommended Cell Culture Medium:** F12+ 10% FBS + 200 µg/ml Zeocin

**Freeze Medium:** 45%FBS, 45%F12 ,10% (V/V) DMSO

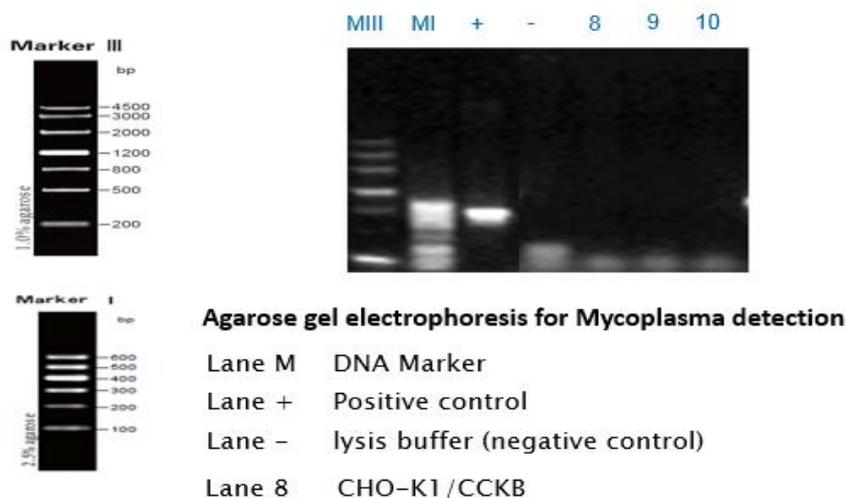
**Application:** Functional assay for CHO-K1/CCKB

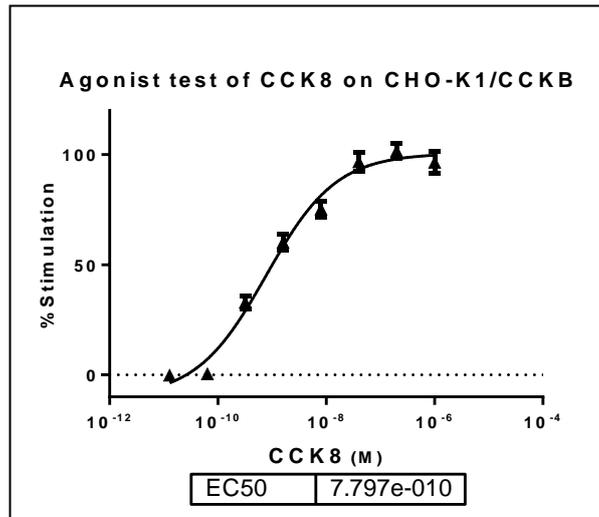
**Note:** The cells should be cultured in cell culture medium without antibiotics first for about 3-4 days after the cell thawing. The antibiotics (Zeocin) will be used when the cells recover.

Test Item	Specification	Result
Mycoplasma 160	Negative.	Negative., Appendix 1
Functional assay	Calcium Assay	EC <sub>50</sub> =0.78 nM

### Appendix

#### Appendix 1: Mycoplasma 160



**Appendix 2 : Calcium Assay**


**Figure 2:** CCK8-induced concentration-dependent stimulation of intracellular calcium mobilization in CHO-K1/CCK8 and CHO-K1 cells. The cells were loaded with Calcium-4 prior to stimulation with a CCKB receptor agonist, CCK8. The intracellular calcium change was measured by FLIPR. The relative fluorescent units (RFU) were plotted against the log of the cumulative doses (5-fold dilution) of CCK8 (Mean  $\pm$  SD, n = 2). The EC50 of CCK8 on CCKB in CHO-K1 cells was 0.78 nM. The S/B of CCK8 on CCKB in CHO-K1 cells was 30.

**Caution**

For research 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 (Toll-Free), or 1-732-885-9188.

Certified by:  Date: 03/03/2018  
 Department of Biologics Development Director