

## CERTIFICATE OF ANALYSIS

### Product Information

---

Product Name	CHO-K1/Gα15/DRD5
Cat. No.	M00322
Lot No.	R10071911-3
Host Cell:	CHO-K1/Gα15
Target Gene:	DRD5
Quantity:	2 vials of frozen cells, > 1x10 <sup>6</sup> cells/vial
Shipping Condition:	Dry Ice
Storage Condition:	Liquid Nitrogen

---

### Stable Cell Line Information

**Recommended Cell Culture Medium:** Ham's F-12, 10% FBS, 200 µg/ml Zeocin, 100 µg/ml Hygromycin B

**Freeze Medium:** 45% culture medium, 45% FBS, 10% DMSO

**Application:** Calcium Flux assay on DRD5 receptor.

---

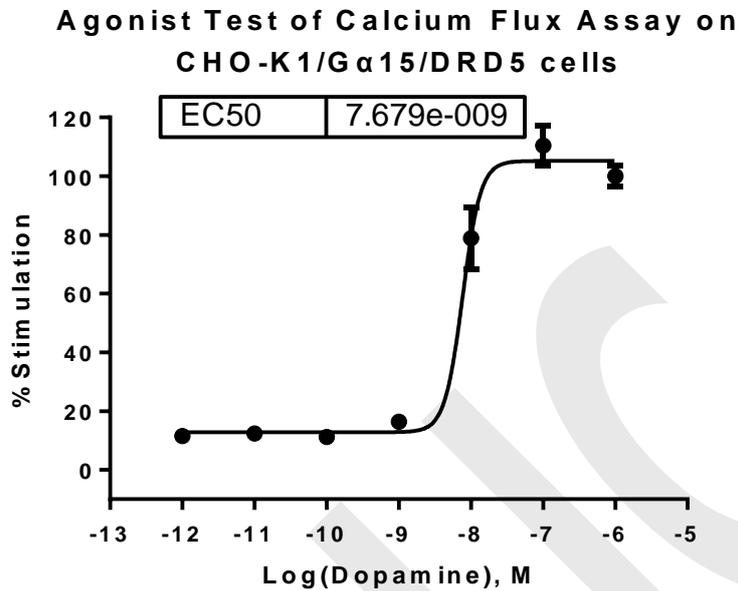
Test Item	Specification	Result
Mycoplasma	Negative *	Negative *
Cell viability	>90%	95%
Function assay	Calcium Flux assay	EC <sub>50</sub> = 7.679×10 <sup>-9</sup> M

---

\* The mycoplasma test was performed with MycoAlert™ PLUS Mycoplasma Detection Kit of Lonza.

## Appendix

### Calcium Flux Assay



Dopamine induced concentration-dependent stimulation of intracellular calcium mobilization in CHO-K1/G $\alpha$ 15/DRD5 cells,  $EC_{50} = 7.679 \times 10^{-9}$  M.

### 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: *hongwei chen*  
Department of New Technology

Date: 11/13/2020