

CERTIFICATE OF ANALYSIS

Product Information

Product Name	CHO-K1/Gα15/D2
Cat. No.	M00152
Lot No.	R10071901-8
Host Cell:	CHO-K1/Gα15
Target Gene:	D2
Quantity:	2 vials of frozen cells, > 1x10 ⁶ cells/vial
Shipping Condition:	Dry Ice
Recommended Storage Condition:	Liquid Nitrogen

Stable Cell Line Information

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

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

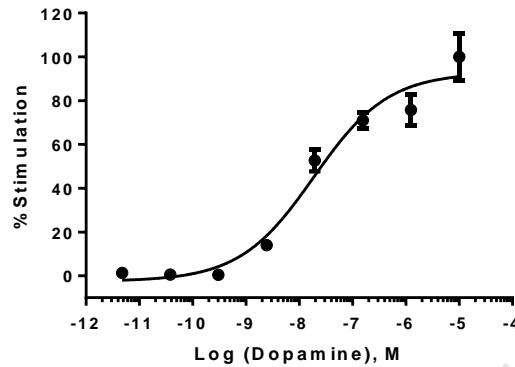
Test Item	Specification	Result
Mycoplasma	Negative*	Negative*
Cell viability	>90%	94.8%
Function assay	Calcium Flux assay	EC ₅₀ =1.88×10 ⁻⁸ M
Function assay	Agonist test of cAMP assay	EC ₅₀ =1.22×10 ⁻⁹ M

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

Appendix

Calcium Flux assay

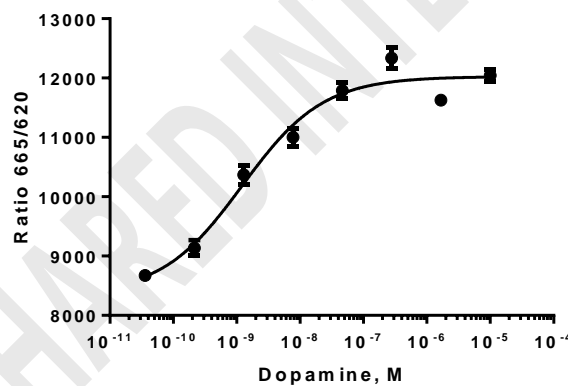
Agonist Test of Calcium Flux Assay on
CHO-K1/D2/G α 15 cells



Dopamine-induced concentration-dependent stimulation of intracellular calcium mobilization on CHO-K1/D2/G α 15 cells, $EC_{50}=1.88\times 10^{-8}$ M

cAMP assay

cAMP Accumulation in CHO-K1/G α 15/D2 Cells



Dopamine-induced concentration-dependent inhibition of intracellular cAMP accumulation on CHO-K1/D2/G α 15 cells, $EC_{50}=1.22\times 10^{-9}$ 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: *Dan Jiang* Date: 06/09/2020
Department of New Technology