

CERTIFICATE OF ANALYSIS

Product Information

Product Name	CHO-K1/Gα15/AMY3
Cat. No.	M00559
Lot No.	R10022005
Host Cell:	CHO-K1/Gα15
Target Gene:	AMY3
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, 10% FBS, 200 µg/ml Zeocin, 400 µg/ml G418, 100 µg/ml Hygromycin B

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

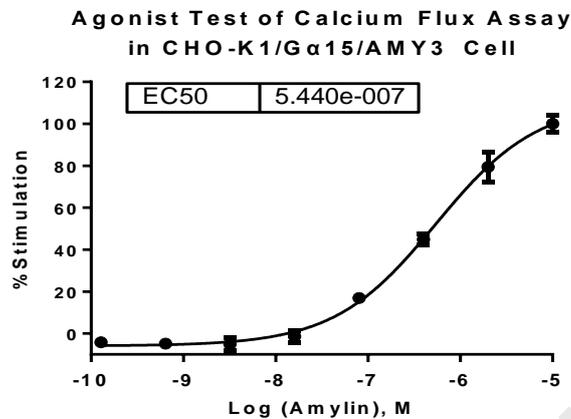
Application: Intracellular calcium mobilization assay, and cAMP accumulation assay on AMY3 receptor.

Test Item	Specification	Result
Mycoplasma	Negative*	Negative*
Cell viability	>90%	95%
Function assay	Calcium Flux assay	EC ₅₀ = 5.440×10 ⁻⁷ M
Function assay	cAMP assay	EC ₅₀ =1.367 X10 ⁻⁸ M

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

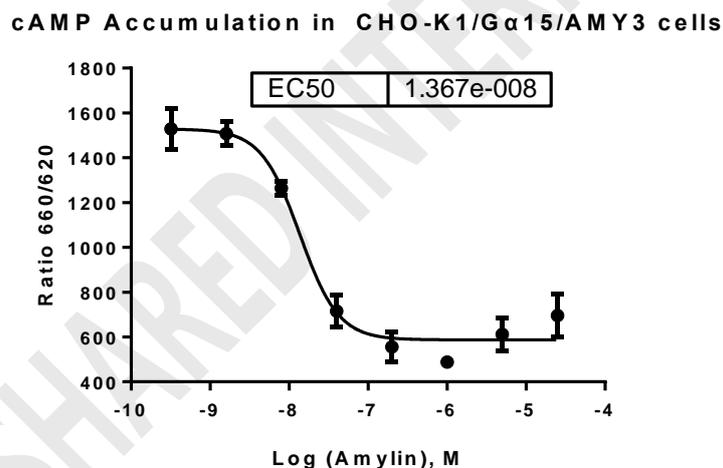
Appendix

Calcium Flux Assay



Amylin induced concentration-dependent stimulation of intracellular calcium mobilization in CHO-K1/Gα15/AMY3 cells, $EC_{50} = 5.440 \times 10^{-7}$ M.

cAMP Assay



Amylin induced concentration-dependent stimulation of intracellular cAMP in CHO-K1/Gα15/AMY3 cells, $EC_{50} = 1.367 \times 10^{-8}$ 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: Date: 05/11/2021
 Department of New Technology