

CERTIFICATE OF ANALYSIS

Product Information

Product Name	HEK293/GCGR/Gα15
Cat. No.	M00422
Lot No.	R10122002-2
Host Cell:	HEK293/Gα15
Target Gene:	GCGR
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: DMEM, 10% FBS, 300 µg/ml G418, 50 µg/ml Hygromycin B

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

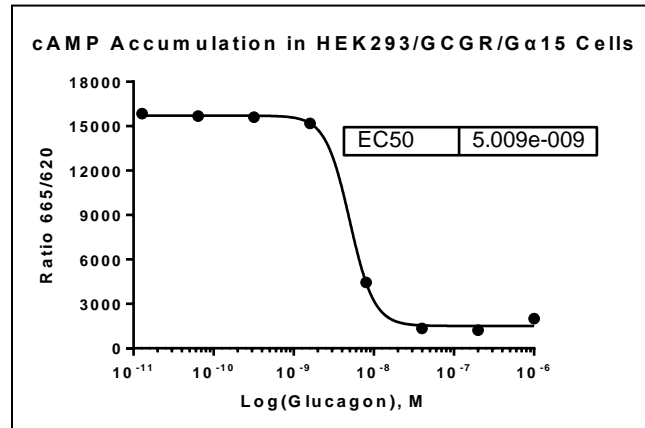
Application: cAMP assay and Calcium flux assay on GCGR receptor.

Test Item	Specification	Result
Mycoplasma	Negative*	Negative*
Cell viability	>90%	95%
Function assay	Calcium flux assay	EC ₅₀ =3.644×10 ⁻⁸ M
Function assay	cAMP assay	EC ₅₀ =5.009×10 ⁻⁹ M

* The mycoplasma test was performed with TransDetect PCR Mycoplasma Detection Kit.

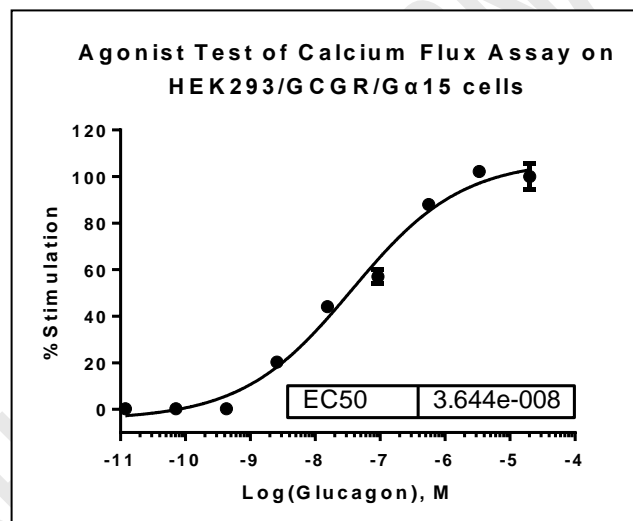
Appendix

1. cAMP assay



Glucagon-induced concentration-dependent stimulation of intracellular cAMP accumulation in HEK293/GCGR/G α 15 cells, EC₅₀ = 5.009 \times 10⁻⁹ M

2. Calcium Flux Assay



Glucagon induced concentration-dependent stimulation of intracellular calcium mobilization in HEK293/GCGR/G α 15 cells, EC₅₀ = 3.644 \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: *Wang Yue* Date: 03/27/2020
Department of New Technology