

CERTIFICATE OF ANALYSIS

Product Information

Product Name	HEK293/PTGER1
Cat. No.	M00228
Lot No.	R10051812-3
Host Cell:	HEK293
Target Gene:	PTGER1
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, 200 µg/ml Zeocin, 250 µg/ml G418

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

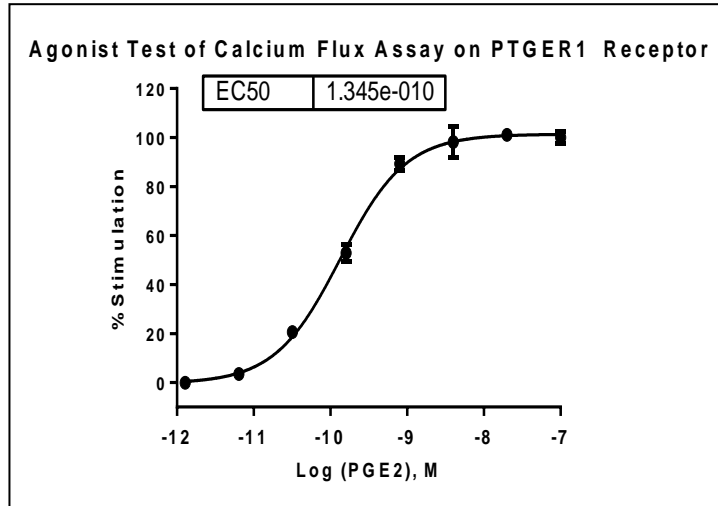
Application: cAMP assay and Calcium Flux assay on PTGER1 receptor.

Test Item	Specification	Result
Mycoplasma	Negative*	Negative*
Cell viability	>90%	95%
Function assay	cAMP assay	EC ₅₀ = 9.023×10 ⁻¹⁰ M
Function assay	Calcium Flux assay	EC ₅₀ = 1.345×10 ⁻¹⁰ M

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

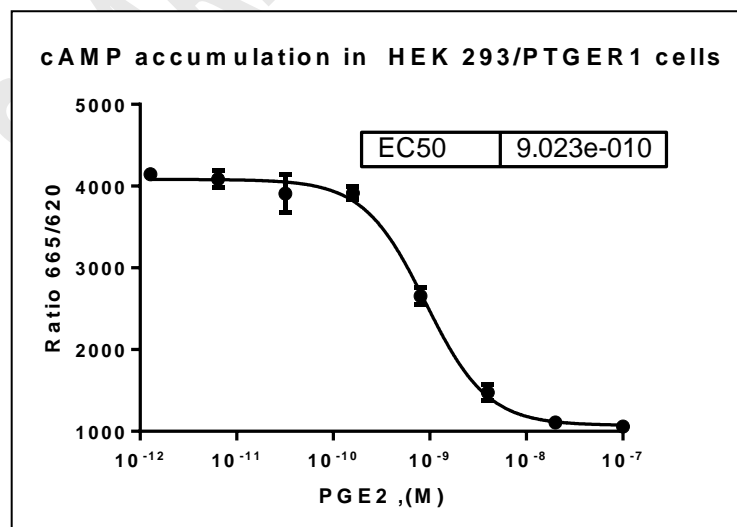
Appendix

1. Calcium Flux assay



PGE2 induced concentration-dependent stimulation of intracellular calcium mobilization in HEK293/PTGER1 cells, $EC_{50} = 1.345 \times 10^{-10}$ M

2. cAMP assay



PGE2 -induced concentration-dependent stimulation of intracellular cAMP accumulation in HEK293/PTGER1 cells. $EC_{50} = 9.023 \times 10^{-10}$ 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 Yan* Date: 03/01/2019
Department of New Technology

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