

## CERTIFICATE OF ANALYSIS

### Product Information

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Product Name	HEK293/PTH2/CRE-Luc
Cat. No.	M00270
Lot No.	R10061904-3
Host Cell:	HEK293/CRE-Luc
Target Gene:	PTH2
Quantity:	2 vials of frozen cells, > 1x10 <sup>6</sup> cells/vial
Shipping Condition:	Dry Ice
Recommended Storage Condition:	Liquid Nitrogen

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### Stable Cell Line Information

**Recommended Cell Culture Medium:** DMEM, 10% FBS, 50 µg/ml Hygromycin B, 100 µg/ml Zeocin, 300 µg/ml G418

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

**Application:** Functional assay for HEK293/PTH2/CRE-Luc

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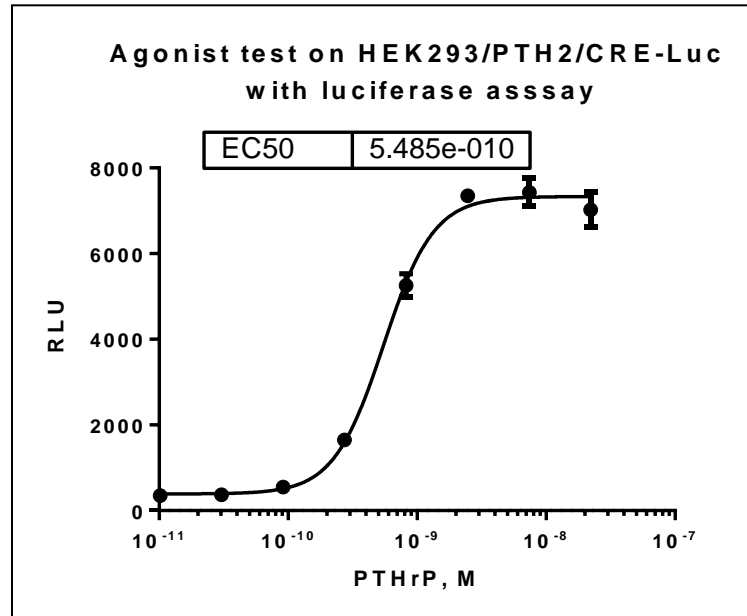
Test Item	Specification	Result
Mycoplasma	Negative*	Negative*
Cell viability	>90%	95%
Function assay	Luciferase assay	EC <sub>50</sub> =0.55 nM

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

## Appendix

### Appendix 1: Functional validation with Luciferase assay



**Figure 1:** PTHrP-induced luciferase expression in HEK293/PTH2/CRE-Luc cells. After stimulation by agonist PTHrP, the cells are determined with One-Glo™ Luciferase Assay System and the relative luminescence units (RLU) were recorded by PheraStar.

The RLU were plotted against the log of the cumulative doses of PTHrP (Mean ± SD, n = 3). The EC<sub>50</sub> of PTHrP on HEK293/PTH2/CRE-Luc cells was 0.55nM.

### 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: 07/05/2019

Department of New Technology