

## CERTIFICATE OF ANALYSIS

### Product Information

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|                               |   |
|-------------------------------|---|
| Product Name                  | HEK293/GCGR/Gα15  |
| Cat. No.                      | M00422  |
| Lot No.                       | R10142110-3   |
| Host Cell                     | HEK293/Gα15   |
| Target Gene                   | GCGR  |
| Size                          | 2 vials of frozen cells, > 1x10 <sup>6</sup> cells/vial |
| Shipping Condition            | Dry Ice (-80°C )  |
| Recommended Storage Condition | Liquid Nitrogen (-196°C)                                |

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### Stable Cell Line Information

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

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

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

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| Test Item      | Specification                 | Result                          |
|----------------|-------------------------------|---------------------------------|
| Mycoplasma     | Negative*                     | Negative*                       |
| Cell viability | >90%                          | 95.29%                          |
| Quantity       | >1x10 <sup>6</sup> cells/vial | 1.94×10 <sup>6</sup> cells/vial |

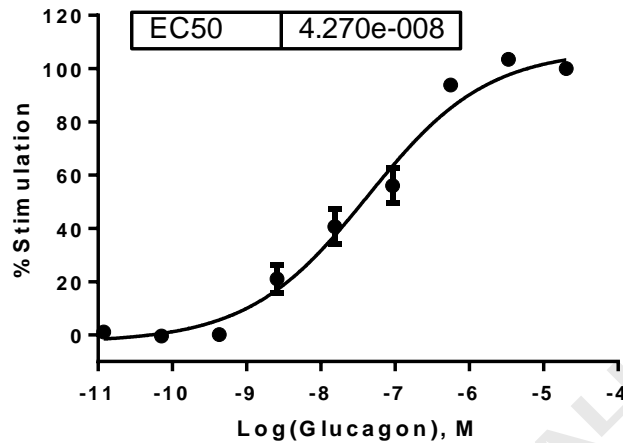
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\* The mycoplasma test was performed with MycoAlert™ PLUS Mycoplasma Detection Kit of Lonza.

## Appendix

### Calcium Flux Assay

#### Agonist Test of Calcium Flux Assay on HEK293/GCGR/Gα15 cells



Glucagon induced concentration-dependent stimulation of intracellular calcium mobilization in HEK293/GCGR/Gα15 cells,  $EC_{50} = 4.27 \times 10^{-8}$  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:

*Dan Jiang*

Date: 02/23/2022

Department of New Technology