

Version: 01

Update: 06272022

## CERTIFICATE OF ANALYSIS

### Product Information

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Product Name	CHO-K1/OPRK1/Gα15
Cat. No.	M00290
Lot No.	R50422403
Host Cell	CHO-K1/Gα15
Target Gene	OPRK1
Size	2 vials of frozen cells, > 1x10 <sup>6</sup> cells/vial
Shipping Condition	Dry Ice (-80°C)
Storage Condition	Liquid Nitrogen (-196°C)

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### Quality Control

**Recommended Cell Culture Medium:** Ham's F-12K (Kaighn's), 10% FBS, 100 µg/ml

Hygromycin B and 200 µg/ml Zeocin

**Freeze Medium:** 90% FBS, 10% DMSO

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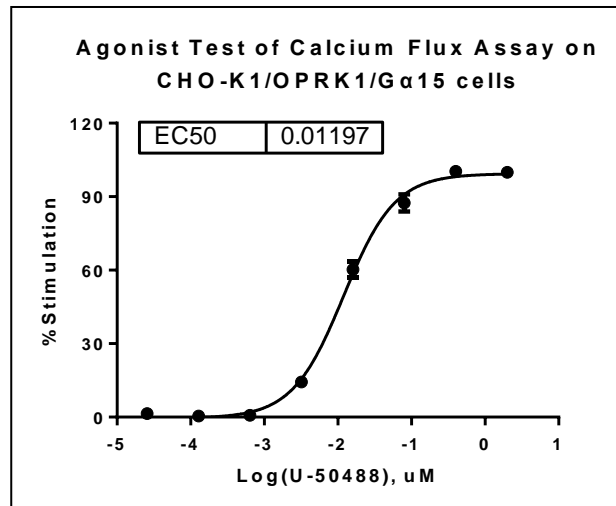
Test Items	Specifications	Results
Mycoplasma	Negative*	Negative*
Cell viability	>90%	92.16%
Quantity	>1x10 <sup>6</sup> cells/vial	3.7x10 <sup>6</sup> cells/vial

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

## Appendix

### Calcium Flux assay



U-50488 induced concentration-dependent stimulation of intracellular calcium mobilization in CHO-K1/OPRK1/Gα15 cells,  $EC_{50} = 11.97$  nM.

Date: 06/27/2022

Approved by: *Jing Li*

R&D Department of Reagent Product

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