

## CERTIFICATE OF ANALYSIS

### Product Information

Product Name	1321N1/P2Y12/Gα15
Cat. No.	M00261
Lot No.	B80171710
Host Cell:	1321N1
Target Gene:	P2Y12
Quantity:	2 vials of frozen cells, > 1x10 <sup>6</sup> cells/vial
Shipping Condition:	Dry Ice
Recommended Storage Condition:	Liquid Nitrogen

### Stable Cell Line Information

**Recommended Cell Culture Medium:** DMEM + 10% FBS + 50 µg/ml Hygromycin B + 200 µg/ml Zeocin

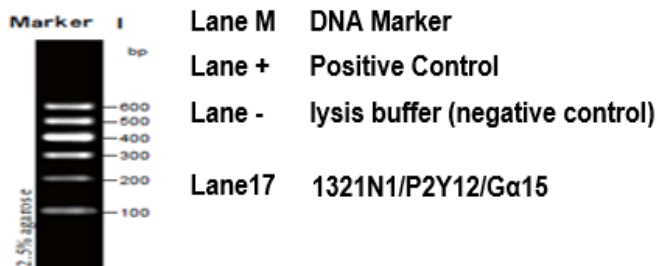
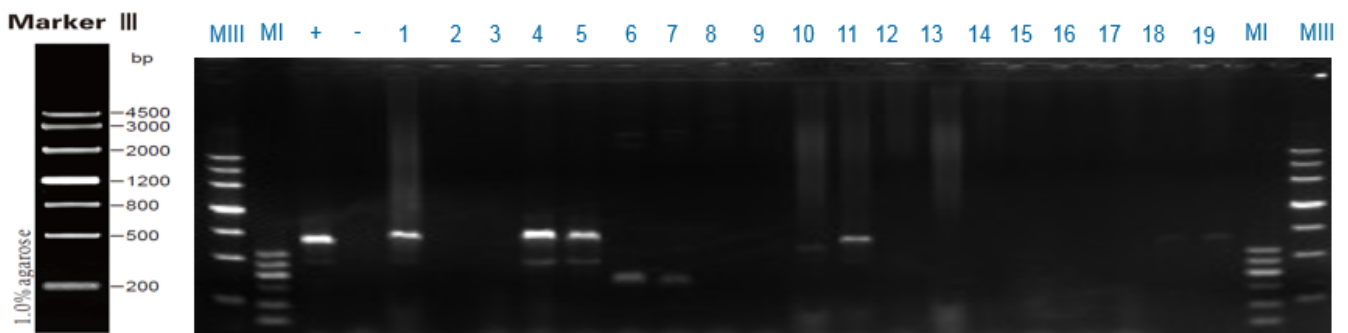
**Freeze Medium:** 90%FBS, 10% (V/V) DMSO

**Application:** Functional assay for 1321N1/P2Y12/Gα15

Test Item	Specification	Result
Mycoplasma 160	Negative.	Negative., Appendix 1
Functional assay	Calcium assay	EC <sub>50</sub> =19.42 nM

### Appendix

#### Appendix 1: Mycoplasma 160



**Appendix 2 : Calcium assay**

Agonist test of 2-Mse ADP on 1321N1/P2Y12/Gα15

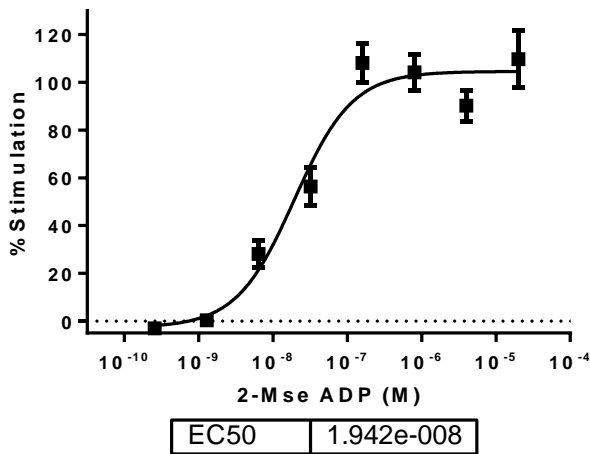


Figure 1. 2-Mse ADP-induced concentration-dependent stimulation of intracellular calcium mobilization in 1321N1/P2Y12/Gα15 cells. The cells were loaded with Calcium-4 prior to stimulation with a P2Y12 receptor agonist, 2-Mse ADP. The intracellular calcium change was measured by FLIPR. The %Stimulation were plotted against the log of the cumulative doses (5-fold dilution) of 2-Mse ADP (Mean ± SD, n = 3). The EC50 of 2-Mse ADP on 1321N1/P2Y12/Gα15 cells was 19.42 nM.

**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:  Date: 11/03/2017  
Department of Biologics Development Director