## PRODUCT INFORMATION

**Catalog Number:** C1257  
**Lot Number:** C1257-073005  
**Quantity:** 1 vial (2 x 10^6) frozen cells  
**Freeze Medium:** Sigma Freezing Medium (C-6164)  
**Host cell:** HEK293T Gαq5  
**Transfection:** Full-length human MRG2X cDNA (GenBank Accession Number NM_054030)  
**Recommended Storage:** Liquid nitrogen upon receiving  
**Propagation Medium:** DMEM, 10% FBS, 200 µg/mL hygromycin, 0.625 µg/mL puromycin  
**Stability:** Stable after minimum of two months continuous growth

## Data sheet

**Background:** MRGX2 (MAS-related GPR member X2) is a receptor for cortistatin. It is probably involved in the function of nociceptive neurons and regulation of nociceptor function and/or development, including the sensation or modulation of pain. Cortistatin-14, a high potency agonist at the receptor, has biological functions including sleep regulation, locomotor activity and cortical function.

**Application:** Functional assays

**Figure 1**

![Graph showing dose-dependent stimulation of calcium flux upon treatment with ligand](image)

**Figure 1.** Dose-dependent stimulation of calcium flux upon treatment with ligand, measured with Multiscreen™ Calcium 1.0 No Wash Assay Kit (Multispan MSCA01).

**References:**


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