

Product datasheet for **RC209033L3V**

GPCR MRGX2 (MRGPRX2) (NM_054030) Human Tagged ORF Clone Lentiviral Particle

Product data:

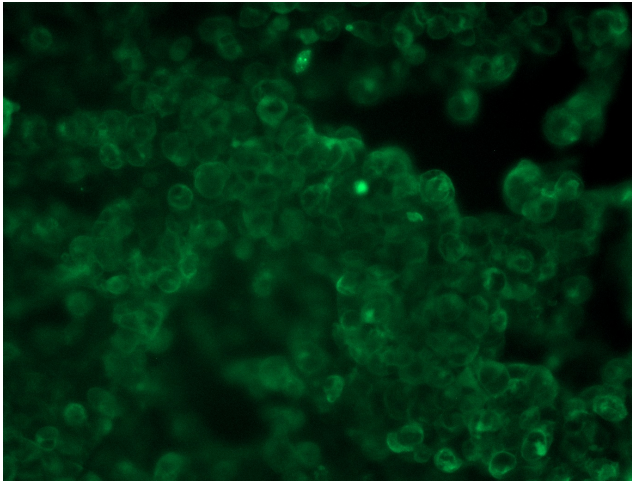
Product Type:	Lentiviral Particles
Product Name:	GPCR MRGX2 (MRGPRX2) (NM_054030) Human Tagged ORF Clone Lentiviral Particle
Symbol:	GPCR MRGX2
Synonyms:	MGRG3; MRGX2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_054030
ORF Size:	990 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC209033).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_054030.2
RefSeq Size:	2130 bp
RefSeq ORF:	993 bp
Locus ID:	117194
UniProt ID:	Q96LB1
Cytogenetics:	11p15.1
Protein Families:	Druggable Genome, GPCR, Transmembrane
MW:	37.1 kDa



[View online »](#)

Gene Summary:

Mast cell-specific receptor for basic secretagogues, i.e. cationic amphiphilic drugs, as well as endo- or exogenous peptides, consisting of a basic head group and a hydrophobic core (PubMed:25517090). Recognizes and binds small molecules containing a cyclized tetrahydroisoquinoline (THIQ), such as non-steroidal neuromuscular blocking drugs (NMBDs), including tubocurarine and atracurium. In response to these compounds, mediates pseudo-allergic reactions characterized by histamine release, inflammation and airway contraction (By similarity). Acts as a receptor for a number of other ligands, including peptides and alkaloids, such as cortistatin-14, proadrenomedullin N-terminal peptides PAMP-12 and, at lower extent, PAMP-20, antibacterial protein LL-37, PMX-53 peptide, beta-defensins, and complanadine A.[UniProtKB/Swiss-Prot Function]

Product images:

[RC209033L3] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC209033L3V particle to overexpress human MRGPRX2-Myc-DDK fusion protein.