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Product datasheet for RC211487L1V

MRGX1 (MRGPRX1) (NM_147199) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	MRGX1 (MRGPRX1) (NM_147199) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MRGX1
Synonyms:	GPCR; MGRG2; MRGX1; SNSR4
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_147199
ORF Size:	966 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC211487).
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_147199.3, NP_671732.3
RefSeq Size:	1190 bp
RefSeq ORF:	969 bp
Locus ID:	259249
UniProt ID:	Q96LB2
Cytogenetics:	11
Protein Families:	Druggable Genome, GPCR, Transmembrane
MW:	36.3 kDa

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Gene Summary: Orphan receptor. Probably involved in the function of nociceptive neurons. May regulate nociceptor function and/or development, including the sensation or modulation of pain. Potently activated by enkephalins including BAM22 (bovine adrenal medulla peptide 22) and BAM (8-22)(PubMed:26582731). BAM22 is the most potent compound and evoked a large and dose-dependent release of intracellular calcium in stably transfected cells. G(alpha)q proteins are involved in the calcium-signaling pathway. Activated by the antimalarial drug, chloroquine. May mediate chloroquine-induced itch, in a histamine-independent manner. [UniProtKB/Swiss-Prot Function]