

## Product datasheet for **RC224023L1V**

### GPCR TGR7 (MRGPRD) (NM\_198923) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	GPCR TGR7 (MRGPRD) (NM_198923) Human Tagged ORF Clone Lentiviral Particle
Symbol:	GPCR TGR7
Synonyms:	MRGD; TGR7
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_198923
ORF Size:	963 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC224023).
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. <a href="#">More info</a>
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:	<a href="#">NM_198923.2</a> , <a href="#">NP_944605.2</a>
RefSeq Size:	966 bp
RefSeq ORF:	966 bp
Locus ID:	116512
UniProt ID:	<a href="#">Q8TDS7</a>
Cytogenetics:	11q13.3
Protein Families:	Druggable Genome, Transmembrane
MW:	35.9 kDa



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**Gene Summary:**

May regulate nociceptor function and/or development, including the sensation or modulation of pain. Functions as a specific membrane receptor for beta-alanine. Beta-alanine at micromolar doses specifically evoked Ca(2+) influx in cells expressing the receptor. Beta-alanine decreases forskolin-stimulated cAMP production in cells expressing the receptor, suggesting that the receptor couples with G-protein G(q) and G(i).[UniProtKB/Swiss-Prot Function]