

## Product datasheet for **RC212370L2V**

### TAS1R1 (NM\_177540) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	TAS1R1 (NM_177540) Human Tagged ORF Clone Lentiviral Particle
Symbol:	TAS1R1
Synonyms:	GM148; GPR70; T1R1; TR1
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_177540
ORF Size:	1761 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC212370).
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_177540.1</a>
RefSeq Size:	1945 bp
RefSeq ORF:	1764 bp
Locus ID:	80835
UniProt ID:	<a href="#">Q7RTX1</a>
Cytogenetics:	1p36.31
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Taste transduction



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**MW:** 65 kDa

**Gene Summary:** The protein encoded by this gene is a G protein-coupled receptor and is a component of the heterodimeric amino acid taste receptor T1R1+3. The T1R1+3 receptor responds to L-amino acids but not to D-enantiomers or other compounds. Most amino acids that are perceived as sweet activate T1R1+3, and this activation is strictly dependent on an intact T1R1+3 heterodimer. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2010]