

Product datasheet for **RC219286L2V**

TAS1R1 (NM_138697) Human Tagged ORF Clone Lentiviral Particle

Product data:

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|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | TAS1R1 (NM_138697) 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_138697 |
| ORF Size: | 2523 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC219286). |
| 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_138697.2 |
| RefSeq Size: | 2707 bp |
| RefSeq ORF: | 2526 bp |
| Locus ID: | 80835 |
| UniProt ID: | Q7RTX1 |
| Cytogenetics: | 1p36.31 |
| Protein Families: | Druggable Genome, Transmembrane |
| Protein Pathways: | Taste transduction |



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MW: 92.9 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]