

Product datasheet for **MR227268L4V**

Tas1r3 (NM_031872) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Tas1r3 (NM_031872) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Tas1r3
Synonyms:	Sac; T1r3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_031872
ORF Size:	2574 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR227268).
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_031872.2 , NP_114078.1
RefSeq Size:	3514 bp
RefSeq ORF:	2577 bp
Locus ID:	83771
UniProt ID:	Q925D8
Cytogenetics:	4 87.65 cM



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Gene Summary:

Putative taste receptor. TAS1R1/TAS1R3 responds to the umami taste stimulus (the taste of monosodium glutamate) and also to most of the 20 standard L-amino acids, but not to their D-enantiomers or other compounds. TAS1R2/TAS1R3 recognizes diverse natural and synthetic sweeteners. TAS1R3 is essential for the recognition and response to the disaccharide trehalose. Sequence differences within and between species can significantly influence the selectivity and specificity of taste responses.[UniProtKB/Swiss-Prot Function]