

Product datasheet for **MR227099L4V**

Trpa1 (NM_177781) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Trpa1 (NM_177781) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Trpa1
Synonyms:	Anktm1; TRPA1b
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_177781
ORF Size:	3378 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR227099).
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_177781.4
RefSeq Size:	4263 bp
RefSeq ORF:	3378 bp
Locus ID:	277328
UniProt ID:	Q8BLA8
Cytogenetics:	1 A3



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Gene Summary:

Receptor-activated non-selective cation channel involved in detection of pain and possibly also in cold perception and inner ear function. Has a central role in the pain response to endogenous inflammatory mediators and to a diverse array of volatile irritants, such as mustard oil, cinnamaldehyde, garlic and acrolein, an irritant from tears gas and vehicle exhaust fumes. Acts also as an ionotropic cannabinoid receptor by being activated by delta(9)-tetrahydrocannabinol (THC), the psychoactive component of marijuana. Is also activated by menthol (in vitro) (By similarity). May be a component for the mechanosensitive transduction channel of hair cells in inner ear, thereby participating in the perception of sounds. Probably operated by a phosphatidylinositol second messenger system.
[UniProtKB/Swiss-Prot Function]