

Product datasheet for **MR225279L3V**

Trpm8 (NM_134252) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Trpm8 (NM_134252) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Trpm8
Synonyms:	CMR1; LTrpC-6; LTRPC6; Trp-p8; TRPP8
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_134252
ORF Size:	3315 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR225279).
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_134252.3
RefSeq Size:	3869 bp
RefSeq ORF:	3315 bp
Locus ID:	171382
UniProt ID:	Q8R4D5
Cytogenetics:	1 D



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Gene Summary:

Receptor-activated non-selective cation channel involved in detection of sensations such as coolness, by being activated by cold temperature below 25 degrees Celsius. Activated by icilin, eucalyptol, menthol, cold and modulation of intracellular pH. Involved in menthol sensation. Permeable for monovalent cations sodium, potassium, and cesium and divalent cation calcium. Temperature sensing is tightly linked to voltage-dependent gating. Activated upon depolarization, changes in temperature resulting in graded shifts of its voltage-dependent activation curves. The chemical agonists menthol functions as a gating modifier, shifting activation curves towards physiological membrane potentials. Temperature sensitivity arises from a tenfold difference in the activation energies associated with voltage-dependent opening and closing.[UniProtKB/Swiss-Prot Function]