

Product datasheet for **RC216220L4V**

TRPM2 (NM_003307) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	TRPM2 (NM_003307) Human Tagged ORF Clone Lentiviral Particle
Symbol:	TRPM2
Synonyms:	EREG1; KNP3; LTrpC-2; LTRPC2; NUDT9H; NUDT9L1; TRPC7
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_003307
ORF Size:	4509 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC216220).
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_003307.3 , NP_003298.1
RefSeq Size:	5876 bp
RefSeq ORF:	4512 bp
Locus ID:	7226
UniProt ID:	O94759
Cytogenetics:	21q22.3
Protein Families:	Druggable Genome, Ion Channels: Transient receptor potential, Transmembrane
MW:	171.7 kDa



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Gene Summary:

The protein encoded by this gene forms a tetrameric cation channel that is permeable to calcium, sodium, and potassium and is regulated by free intracellular ADP-ribose. The encoded protein is activated by oxidative stress and confers susceptibility to cell death. Alternative splicing results in multiple transcript variants encoding distinct protein isoforms. Additional transcript variants of this gene have been described, but their full-length nature is not known. [provided by RefSeq, Feb 2016]