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Product datasheet for RC213443L1V

TRPM1 (NM_002420) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	TRPM1 (NM_002420) Human Tagged ORF Clone Lentiviral Particle
Symbol:	TRPM1
Synonyms:	CSNB1C; LTRPC1; MLSN1
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_002420
ORF Size:	4809 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC213443).
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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_002420.4
RefSeq Size:	5428 bp
RefSeq ORF:	4812 bp

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Locus ID:	4308
UniProt ID:	Q7Z4N2
Cytogenetics:	15q13.3
Domains:	ion_trans
Protein Families:	Druggable Genome, Ion Channels: Transient receptor potential, Transmembrane
MW:	182 kDa
Gene Summary:	This gene encodes a member of the transient receptor potential melastatin subfamily of transient receptor potential ion channels. The encoded protein is a calcium permeable cation channel that is expressed in melanocytes and may play a role in melanin synthesis. Specific mutations in this gene are the cause autosomal recessive complete congenital stationary night blindness-1C. The expression of this protein is inversely correlated with melanoma aggressiveness and as such it is used as a prognostic marker for melanoma metastasis. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Oct 2011]