OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC218043L1V

TRPM7 (NM_017672) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	TRPM7 (NM_017672) Human Tagged ORF Clone Lentiviral Particle
Symbol:	TRPM7
Synonyms:	ALSPDC; CHAK; CHAK1; LTrpC-7; LTRPC7; TRP-PLIK
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_017672
ORF Size:	5595 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC218043).
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_017672.3
RefSeq Size:	7255 bp
RefSeq ORF:	5598 bp
Locus ID:	54822
UniProt ID:	Q96QT4
Cytogenetics:	15q21.2
Protein Families:	Druggable Genome, Ion Channels: Transient receptor potential, Protein Kinase, Transmembrane

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MW: 212.5 kDa

Gene Summary: This gene belongs to the melastatin subfamily of transient receptor potential family of ion channels. The protein encoded by this gene is both an ion channel and a serine/threonine protein kinase. The kinase activity is essential for the ion channel function, which serves to increase intracellular calcium levels and to help regulate magnesium ion homeostasis. The encoded protein is involved in cytoskeletal organization, cell adhesion, cell migration and organogenesis. Defects in this gene are a cause of amyotrophic lateral sclerosis-parkinsonism/dementia complex of Guam. The gene may also be associated with defects of cardiac function. [provided by RefSeq, Aug 2017]