

Product datasheet for **RC216965L1V**

TRPM6 (NM_017662) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	TRPM6 (NM_017662) Human Tagged ORF Clone Lentiviral Particle
Symbol:	TRPM6
Synonyms:	CHAK2; HMGX; HOMG; HOMG1; HSH
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_017662
ORF Size:	5685 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC216965).
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_017662.3
RefSeq Size:	8429 bp
RefSeq ORF:	6069 bp
Locus ID:	140803
UniProt ID:	Q9BX84
Cytogenetics:	9q21.13
Protein Families:	Druggable Genome, Ion Channels: Transient receptor potential, Protein Kinase, Transmembrane



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MW: 216.32 kDa

Gene Summary: This gene is predominantly expressed in the kidney and colon, and encodes a protein containing an ion channel domain and a protein kinase domain. It is crucial for magnesium homeostasis, and plays an essential role in epithelial magnesium transport and in the active magnesium absorption in the gut and kidney. Mutations in this gene are associated with hypomagnesemia with secondary hypocalcemia. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq, Apr 2010]