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Product datasheet for RC220160L4V

TRPV4 (NM_021625) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	TRPV4 (NM_021625) Human Tagged ORF Clone Lentiviral Particle
Symbol:	TRPV4
Synonyms:	BCYM3; CMT2C; HMSN2C; OTRPC4; SMAL; SPSMA; SSQTL1; TRP12; VRL2; VROAC
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_021625
ORF Size:	2613 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC220160).`
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_021625.3, NP_067638.3
RefSeq Size:	3254 bp
RefSeq ORF:	2616 bp
Locus ID:	59341
UniProt ID:	Q9HBA0
Cytogenetics:	12q24.11
Domains:	ANK, ion_trans
Protein Families:	Druggable Genome, Ion Channels: Transient receptor potential, Transmembrane

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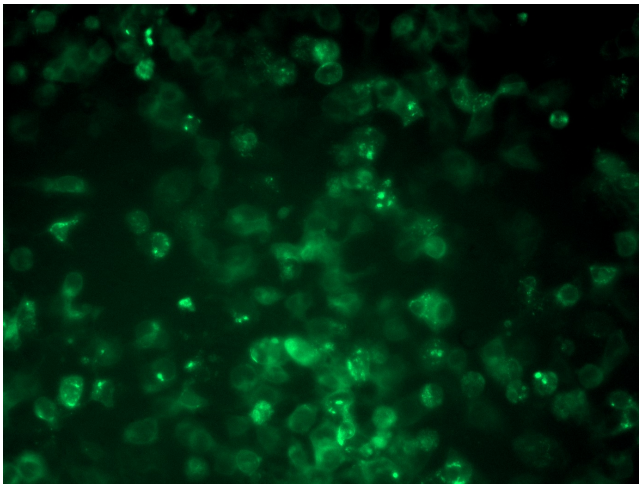
MW: 98.3 kDa

Gene Summary: This gene encodes a member of the OSM9-like transient receptor potential channel (OTRPC) subfamily in the transient receptor potential (TRP) superfamily of ion channels. The encoded protein is a Ca2+-permeable, nonselective cation channel that is thought to be involved in the regulation of systemic osmotic pressure. Mutations in this gene are the cause of spondylometaphyseal and metatropic dysplasia and hereditary motor and sensory neuropathy type IIC. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2010]

Product images:



[RC220160L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC220160L4V particle to overexpress human TRPV4-mGFP fusion protein.

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