

Product datasheet for **RC226709L4V**

TRPC4 (NM_001135955) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	TRPC4 (NM_001135955) Human Tagged ORF Clone Lentiviral Particle
Symbol:	TRPC4
Synonyms:	HTRP-4; HTRP4; TRP4
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001135955
ORF Size:	2679 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC226709).
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_001135955.1
RefSeq ORF:	2682 bp
Locus ID:	7223
UniProt ID:	Q9UBN4
Cytogenetics:	13q13.3
Protein Families:	Druggable Genome, Ion Channels: Transient receptor potential, Transmembrane
MW:	102.5 kDa



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Gene Summary:

This gene encodes a member of the canonical subfamily of transient receptor potential cation channels. The encoded protein forms a non-selective calcium-permeable cation channel that is activated by Gq-coupled receptors and tyrosine kinases, and plays a role in multiple processes including endothelial permeability, vasodilation, neurotransmitter release and cell proliferation. Single nucleotide polymorphisms in this gene may be associated with generalized epilepsy with photosensitivity. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Aug 2011]