

## Product datasheet for **RC222755L4V**

### TRP 7 (TRPC7) (NM\_020389) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	TRP 7 (TRPC7) (NM_020389) Human Tagged ORF Clone Lentiviral Particle
Symbol:	TRPC7
Synonyms:	TRP7
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_020389
ORF Size:	2586 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC222755).
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. <a href="#">More info</a>
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:	<a href="#">NM_020389.1</a>
RefSeq Size:	2589 bp
RefSeq ORF:	2589 bp
Locus ID:	57113
UniProt ID:	<a href="#">Q9HCX4</a>
Cytogenetics:	5q31.1
Domains:	ANK, ion_trans
Protein Families:	Druggable Genome, Ion Channels: Transient receptor potential, Transmembrane



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**MW:** 99.4 kDa

**Gene Summary:** Thought to form a receptor-activated non-selective calcium permeant cation channel. Probably is operated by a phosphatidylinositol second messenger system activated by receptor tyrosine kinases or G-protein coupled receptors. Activated by diacylglycerol (DAG) (By similarity). May also be activated by intracellular calcium store depletion.  
[UniProtKB/Swiss-Prot Function]