

Product datasheet for **MR226912L4V**

Trpc4 (NM_016984) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Trpc4 (NM_016984) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Trpc4
Synonyms:	CCE1; STRPC4; Trp4; Trrp4
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_016984
ORF Size:	2922 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR226912).
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_016984.2 , NP_058680.1
RefSeq Size:	3490 bp
RefSeq ORF:	2925 bp
Locus ID:	22066
UniProt ID:	Q9QUQ5
Cytogenetics:	3 25.43 cM



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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. Acts as a cell-cell contact-dependent endothelial calcium entry channel. Has also been shown to be calcium-selective (By similarity). May also be activated by intracellular calcium store depletion. Trpc4 deficient mice lack a store-operated calcium entry in endothelial cells.[UniProtKB/Swiss-Prot Function]