

Product datasheet for **RC210783L4V**

TRPC6 (NM_004621) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	TRPC6 (NM_004621) Human Tagged ORF Clone Lentiviral Particle
Symbol:	TRPC6
Synonyms:	FSGS2; TRP6
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_004621
ORF Size:	2793 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC210783).
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_004621.3
RefSeq Size:	4564 bp
RefSeq ORF:	2796 bp
Locus ID:	7225
UniProt ID:	Q9Y210
Cytogenetics:	11q22.1
Domains:	ANK, ion_trans
Protein Families:	Druggable Genome, Ion Channels: Transient receptor potential, Transmembrane



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MW: 106.1 kDa

Gene Summary: The protein encoded by this gene forms a receptor-activated calcium channel in the cell membrane. The channel is activated by diacylglycerol and is thought to be under the control of a phosphatidylinositol second messenger system. Activation of this channel occurs independently of protein kinase C and is not triggered by low levels of intracellular calcium. Defects in this gene are a cause of focal segmental glomerulosclerosis 2 (FSGS2). [provided by RefSeq, Mar 2009]