

## Product datasheet for **RC209023L4V**

### Two pore calcium channel protein 2 (TPCN2) (NM\_139075) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Two pore calcium channel protein 2 (TPCN2) (NM_139075) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Two pore calcium channel protein 2
Synonyms:	SHEP10; TPC2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_139075
ORF Size:	2256 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC209023).
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_139075.1</a>
RefSeq Size:	5026 bp
RefSeq ORF:	2259 bp
Locus ID:	219931
UniProt ID:	<a href="#">Q8NHX9</a>
Cytogenetics:	11q13.3
Domains:	ion_trans



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**Protein Families:** Druggable Genome, Ion Channels: Other

**MW:** 85.3 kDa

**Gene Summary:** This gene encodes a putative cation-selective ion channel with two repeats of a six-transmembrane-domain. The protein localizes to lysosomal membranes and enables nicotinic acid adenine dinucleotide phosphate (NAADP) -induced calcium ion release from lysosome-related stores. This ubiquitously expressed gene has elevated expression in liver and kidney. Two common nonsynonymous SNPs in this gene strongly associate with blond versus brown hair pigmentation.[provided by RefSeq, Dec 2009]