

## Product datasheet for RC209023L3V

## OriGene Technologies, Inc.

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## 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 Puromycin

Selection:

Vector:

pLenti-C-Myc-DDK-P2A-Puro (PS100092)

Tag:Myc-DDKACCN:NM\_139075

ORF Size: 2256 bp

**ORF Nucleotide** 

The ORF insert of this clone is exactly the same as (RC209023).

**OTI Disclaimer:** 

Sequence:

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:** <u>NM 139075.1</u>

 RefSeq Size:
 5026 bp

 RefSeq ORF:
 2259 bp

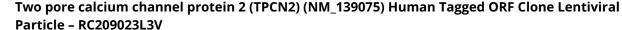
 Locus ID:
 219931

 UniProt ID:
 08NHX9

 Cytogenetics:
 11q13.3

 Domains:
 ion\_trans







**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]