

Product datasheet for RC219648L3V

OriGene Technologies, Inc.

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Tropomyosin 2 (TPM2) (NM 003289) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: Tropomyosin 2 (TPM2) (NM 003289) Human Tagged ORF Clone Lentiviral Particle

Symbol: Tropomyosin 2

Synonyms: AMCD1; DA1; DA2B; DA2B4; HEL-S-273; NEM4; TMSB

Mammalian Cell

Selection:

Puromycin

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

Tag: Myc-DDK
ACCN: NM 003289

ORF Size: 852 bp

ORF Nucleotide

The ORF insert of this clone is exactly the same as(RC219648).

Sequence:

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.

RefSeg: NM 003289.3

 RefSeq Size:
 1327 bp

 RefSeq ORF:
 855 bp

 Locus ID:
 7169

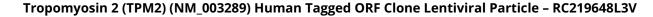
 UniProt ID:
 P07951

 Cytogenetics:
 9p13.3

Domains: Tropomyosin

Protein Pathways: Cardiac muscle contraction, Dilated cardiomyopathy, Hypertrophic cardiomyopathy (HCM)





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MW: 32.7 kDa

Gene Summary:

This gene encodes beta-tropomyosin, a member of the actin filament binding protein family, and mainly expressed in slow, type 1 muscle fibers. Mutations in this gene can alter the expression of other sarcomeric tropomyosin proteins, and cause cap disease, nemaline myopathy and distal arthrogryposis syndromes. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Mar 2009]