

Product datasheet for RR200470L3V

OriGene Technologies, Inc.

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Tpm1 (NM_001034072) Rat Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: Tpm1 (NM_001034072) Rat Tagged ORF Clone Lentiviral Particle

Symbol: Tpm1

Synonyms: Alpha-tm; Tma2; Tmsa

Mammalian Cell

Selection:

Puromycin

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

Tag: Myc-DDK

ACCN: NM_001034072

ORF Size: 843 bp

ORF Nucleotide

The ORF insert of this clone is exactly the same as(RR200470).

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.

RefSeq: <u>NM 001034072.1</u>, <u>NP 001029244.1</u>

 RefSeq Size:
 1261 bp

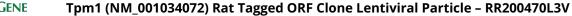
 RefSeq ORF:
 846 bp

 Locus ID:
 24851

 UniProt ID:
 P04692

Cytogenetics: 8q24







Gene Summary:

This gene is a member of the tropomyosin family and encodes a protein that heterodimerizes with a beta subunit, binding actin in both muscle and nonmuscle cells. In both smooth and striated muscle cells, it plays a role in calcium dependent-regulation of muscle contraction. In nonmuscle cells, it stabilizes cytoskeleton actin filaments. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]