

## Product datasheet for RC224744L3V

### TIMM50 (NM\_001001563) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

**Product Type:** Lentiviral Particles

**Symbol:** TIMM50

**Synonyms:** MGCA9; TIM50; TIM50L

**Mammalian Cell:** Puromycin

**Selection:**

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

**Tag:** Myc-DDK

**ACCN:** NM\_001001563

**ORF Size:** 1368 bp

**ORF Nucleotide Sequence:** The ORF insert of this clone is exactly the same as (RC224744).

**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\\_001001563.1](#), [NP\\_001001563.1](#)

**RefSeq Size:** 2572 bp

**RefSeq ORF:** 1062 bp

**Locus ID:** 92609

**UniProt ID:** [Q3ZCQ8](#)

**Cytogenetics:** 19q13.2



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**MW:** 50.5 kDa

**Gene Summary:** This gene encodes a subunit of the TIM23 inner mitochondrial membrane translocase complex. The encoded protein functions as the receptor subunit that recognizes the mitochondrial targeting signal, or presequence, on protein cargo that is destined for the mitochondrial inner membrane and matrix. This protein may also play a role in maintaining the membrane permeability barrier, and knockdown of this gene in human cells results in the release of cytochrome c and apoptosis. [provided by RefSeq, Jul 2016]