

Product datasheet for **MR218426L4V**

Tpm1 (NM_001164249) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type: | Lentiviral Particles |
| Product Name: | Tpm1 (NM_001164249) Mouse Tagged ORF Clone Lentiviral Particle |
| Symbol: | Tpm1 |
| Synonyms: | AA986836; AI854628; alpha-TM; TM2; Tm3; Tmpa; Tpm-1 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_001164249 |
| ORF Size: | 852 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(MR218426). |
| 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_001164249.1 , NP_001157721.1 |
| RefSeq Size: | 1702 bp |
| RefSeq ORF: | 855 bp |
| Locus ID: | 22003 |
| Cytogenetics: | 9 36.27 cM |



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Gene Summary:

Binds to actin filaments in muscle and non-muscle cells. Plays a central role, in association with the troponin complex, in the calcium dependent regulation of vertebrate striated muscle contraction. Smooth muscle contraction is regulated by interaction with caldesmon. In non-muscle cells is implicated in stabilizing cytoskeleton actin filaments.[UniProtKB/Swiss-Prot Function]