

Product datasheet for RN216247

Tpm3 (NM_001301285) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tpm3 (NM_001301285) Rat Untagged Clone
Tag: Tag Free
Symbol: Tpm3
Synonyms: TM30nm; Tpm5
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN216247 representing NM_001301285
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGATGGAGGCCATCAAGAAAAAATGCAGATGCTGAAGTTAGACAAAGAGAATGCTCTGGACCGAGCTG
AGCAAGCTGAAGCTGAGCAGAAGCAGGCAGAAGAAAGAAGCAAACAGCTAGAGGATGAACTAGCAACCAT
GCAGAAGAAGCTGAAAGGGACAGAGGATGAGCTGGACAAGTATTCTGAGGCTTTAAAGGATGCCAGGAG
AAGCTGGAGCTAGCAGAGAAGAAGGCAGCGGATGCTGAAGCTGAGGTGGCCTCCTTGAACCGCAGGATCC
AGCTGGTTGAAGAGGAGCTGGACCGCGCCAGGAGCGCCTCGCCACTGCTTTGCAGAAGCTGGAGGAAGC
GGAGAAGGCTGCTGATGAGAGTGAGAGAGGTATGAAGGTGATTGAAAACCGGGCTCTAAAAGATGAAGAA
AAGATGGAGCTCCAGGAAATCCAGCTGAAGGAAGCAAAGCGCATTGCAGAAGAGGCAGACAGGAAGTATG
AAGAGGTGGCTCGTAAGTTGGTGATTATTGAAGGAGACTTGAACGCACGGAGGAACCGCCGAGCTGGC
AGAGTCTAAGTGTCTGAGCTGGAGGAGGAGCTGAAGAATGTCACCAACAACCTCAAATCTTTGAGGCT
CAGGCGGAGAAGTACTCTCAAAAAGAAGACAAGTATGAAGAAGAAATAAAGATTCTTACTGATAAACTCA
AGGAGCGGAGACCCGGGCTGAGTTTGTGAAAGATCGGTAGCCAAACTGGAAAAGACCATTGATGACTT
GGAAGATGAGCTCTATGCCAGAAACTGAAGTACAAGGCCATTAGCGACGGGCTGGACCACGTCTCAAT
GACATGACCTCTATA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001301285
Insert Size: 858 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001301285.1</u> , <u>NP_001288214.1</u>
RefSeq Size:	1149 bp
RefSeq ORF:	858 bp
Locus ID:	117557
Cytogenetics:	2q34
Gene Summary:	<p>rod-like protein associated with actin filament in nonmuscle cells; may mediate the stability of actin filaments; may play a role in the regulation of cell transformation, cytokinesis, motility, and morphogenesis [RGD, Feb 2006]</p> <p>Transcript Variant: This variant (Tpm3.12, also known as variant 3) encodes the longest isoform (Tpm3.12st, also known as isoform 3). The encoded protein is a fast skeletal muscle isoform.</p>