

Product datasheet for RN216138

Tpm3 (NM_001301286) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tpm3 (NM_001301286) 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:	>RN216138 representing NM_001301286 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCGGGAGCACCACCATCGAGGCGGTAAAGCGCAAGATCCAGTTCTGCAGCAGCAGGCTGATGATG
CGGAGGAGAGGGCTGAGCGCCTCCAGCGGAAGTGGAGGGAGAAAGCGGGCCCGGAGCAGGCTGAAGC
TGAGGTGGCTTCCTTGAACCGTAGGATCCAGCTGGTTGAAGAGGAGCTGGACCGCGCCAGGAGCGCCTT
GCCACTGCTTTCAGAAAGCTGGAGGAAGCGGAGAAGGCTGCTGATGAGAGTGAGAGAGGTATGAAGGTGA
TTGAAAACCGGGCTCTAAAAGATGAAGAAAAGATGGAGCTCCAGGAAATCCAGCTGAAGGAAGCAAAGCA
CATTGCAGAAGAGGCAGACAGGAAGTATGAAGAGGTGGCTCGTAAGTTGGTGATCATTGAAGGAGACTTG
GAACGCACGGAGGAACCGCGCCGAGCTGGCAGAGTCTAAGTGTCTGAGCTGGAGGAGGAGCTGAAGAATG
TCACCAACAACCTCAAATCTCTTGGAGCTCAGGCGGAGAAGTACTCTCAAAAAGAAGACAAGTATGAAGA
AGAAATAAAGATTCTTACTGATAAACTCAAGGAGGCGGAGACCCGGGCTGAGTTTGTGAAAAGATCGGTA
GCCAAGCTGAAAAGACCATTGATGACTTGAAGATGAGCTCTATGCCAGAACTGAAGTACAAGGCCA
TTAGCGACGAGCTGGACCACGCCCTCAATGACATGACCTCTATA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001301286
Insert Size:	747 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_001301286.1, NP_001288215.1</u>
RefSeq Size:	973 bp
RefSeq ORF:	747 bp
Locus ID:	117557
UniProt ID:	<u>Q63610</u>
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 (Tpm3.3, also known as variant 4) differs in the 5' UTR and coding sequence compared to variant Tpm3.12. The resulting isoform (Tpm3.3cy, also known as isoform 4) has a shorter and distinct N-terminus compared to isoform Tpm3.12st.</p>