

Product datasheet for **RR216247**

Tpm3 (NM_001301285) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tpm3 (NM_001301285) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tpm3
Synonyms:	TM30nm; Tpm5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR216247 representing NM_001301285 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGATGGAGGCCATCAAGAAAAAATGCAGATGCTGAAGTTAGACAAAGAGAATGTCCTGGACCGAGCTG
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AGAGTCTAAGTGTCTGAGCTGGAGGAGGAGCTGAAGAATGTACCAACAACCTCAAATCTTTGAGGCT
CAGGCGGAGAAGTACTCTAAAAAGAAGACAAGTATGAAGAAGAAATAAAGATTCTTACTGATAAACTCA
AGGAGGCGGAGACCCGGGCTGAGTTTGTGAAAGATCGGTAGCCAACTGGAAAAGACCATTGATGACTT
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GACATGACCTCTATA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence: >RR216247 representing NM_001301285
Red=Cloning site Green=Tags(s)

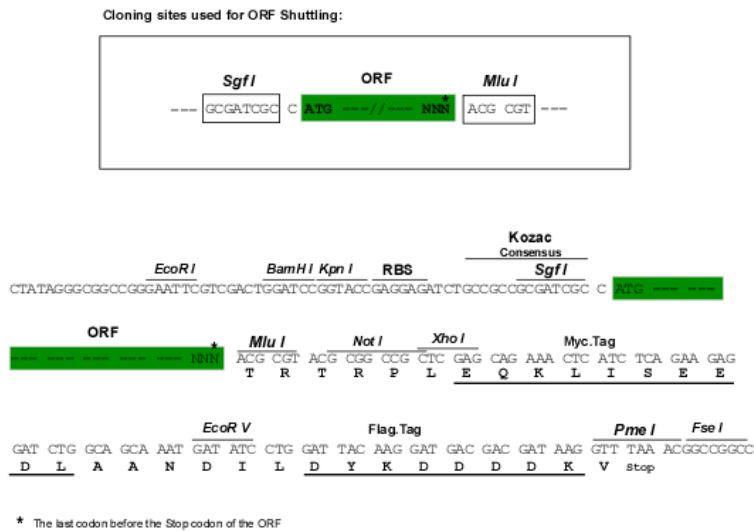
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 KMELQEIQLKEAKRIAEEADRKYEEVARKLVIIIEGDLERTEERAELAESKCELEELKNVTNNLKSLEA
 QAEKYSQKEDKYEEEIKILTDKLKEAETRAEFAERSVAKLEKTIDDLDELAYAQKLKYKAISDGLDHVNLN
 DMTSI

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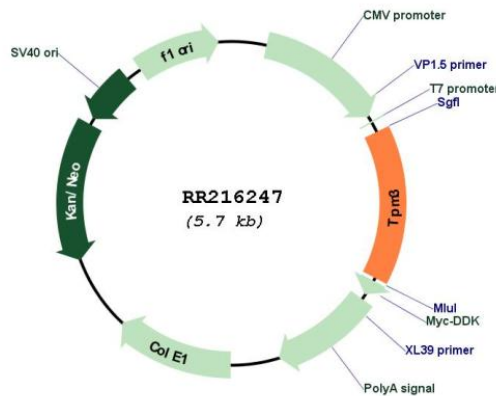
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001301285

ORF Size: 855 bp

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.
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:	NM_001301285.1 , NP_001288214.1
RefSeq Size:	1149 bp
RefSeq ORF:	858 bp
Locus ID:	117557
Cytogenetics:	2q34
MW:	33 kDa
Gene Summary:	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]