

Product datasheet for **RR203011**

Timp1 (NM_053819) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Timp1 (NM_053819) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Timp1
Synonyms: Timp; TIMP-1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR203011 representing NM_053819
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCCCTTTGCATCTCTGGCCTCTGGCATCCTCTTGTGCTATCATTGATAGCTTCCAGTAAAGCCT
GTAGCTGTGCCCCAACCCACCCACAGACAGCTTCTGCAACTCGGACCTGGTTATAAGGGCTAAATTCAT
GGTTCCCGAGAAATCATCGAGACCACCTTATACCAGCGTTATGAGATCAAGATGACTAAGATGCTCAAA
GGATTCGACGCTGTGGAAATGCCACAGGTTTCCGGTTCGCCTACACCCAGCCATGGAGAGCCTCTGTG
GATATGTCCACAAGTCCCAGAACCAGCAGGAGTTTCTCATCGCGGGCCGTTAAGGAACGGAAATTT
GCACATCACTGCCTGCAGCTTCCCTGGTCCCTGGCATAATCTGAGCCCTGCTCAGCAAAAGGCCTTCGTA
AAGACCTATAGTGTGGCTGTGGGGTGTGCACAGTGTTCCTGTTCAGCCATCCCTTGCAAAGTGGAGA
GTGACAGTCATTGCTTGTGGACAGATCAGATCCTCATGGGCTCTGAGAAGGGCTACCAGAGCGATCACTT
TGCTGCCTGCCACGGAATCCAGATTTGTGCACCTGGCAATACCTTGGGGTCTCGATGACCCGAAGCCTT
CCCTGGCAAAAGCTGAAGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR203011 representing NM_053819
Red=Cloning site Green=Tags(s)

MAPFASLASGILLLLLSLIASSKACSCAPTHPQTAF CNSDLVIRAKFMGSPEIIETTL YQRYEIKMTKMLK
 GFDAVGNATGFRFAYTPAMESLCGYVHK SQNRSEEF LIAGRLRNGNLHITACSF LVPWHNLSPAQQKAFV
 KTYSAGCGVCTVFP CSAIPCKLES DSHCLWTDQILMGSEKGYQSDHFAC LPRNPDLC TWQYLGVSMTRSL
 PLAKAEA

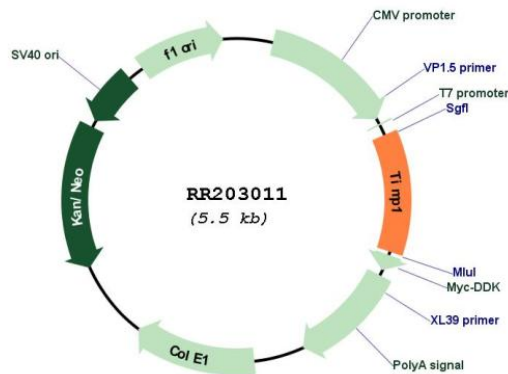
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_053819

ORF Size: 651 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_053819.1 , NP_446271.1
RefSeq Size:	740 bp
RefSeq ORF:	654 bp
Locus ID:	116510
UniProt ID:	P30120
Cytogenetics:	Xq11
MW:	23.8 kDa
Gene Summary:	acts as an inhibitor of metalloprotease activity; may play a role in vascular tissue remodeling [RGD, Feb 2006]