

Product datasheet for MR202599

Timp4 (NM_080639) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Timp4 (NM_080639) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Timp4
Synonyms:	TIMP-4; Timp-4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202599 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCCTGGAGTCCCCTGGCTGCGCTGAGCTGGCGCTGGTGCTGAGGCTGCTGGCTTTGCTGTGGCCCC
CTGGACGGGGTGAGGCGTGCAGCTGTGCGCCTGCGCACCCAGCAGCACTTCTGCCACTCGGCTCTAGT
GATACGGGCCAAAATATCCAGTGAGAAGGTAGTCCCTGCCAGCAAAGACCCTGCTGACACTCAAAACTG
ATCCGGTATGAAATCAAACAGATAAAGATGTTAAAGGGTTCGAGAAGGCCAAGGATATTCAGTATGTCT
ACACGCCATTTGACTCTCCCTCTGTGGTGTGAAGCTAGAAACCAACAGTCACAAGCAGTATCTTTGAC
TGCCAGATTCTCAGTGATGAAAAGTCTTCATCCATCTGTGCAACTACATTGAGCCCTGGGAGGACCTG
TCCTTGGTGCAGAGGGAGAGCCTGAATCATCACTACCACCAGAAGTGTGGCTGCCAAATCACCATTGCT
ATGCAGTGCCATGTACCATCTCAGCCCCAATGAGTGTCTCTGGACGGACTGGCTGCTGGAACGGAAGCT
CTATGGGTACCAGGCCAGCACTATGTCTGCATGAAGCATGTTGATGGCATCTGCAGCTGGTACCGAGGC
CACCTACACTCCGGAAGGAGTACGTTGACATCATCCAGCCC

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR202599 protein sequence
 Red=Cloning site Green=Tags(s)

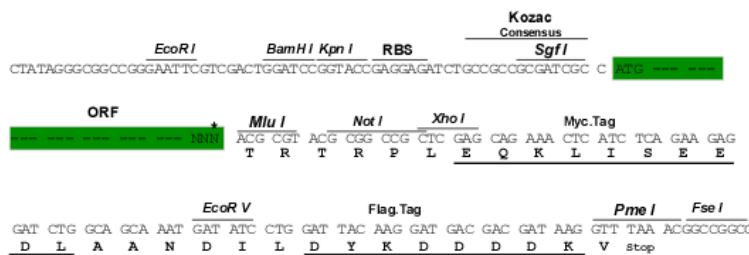
MPWSPLAALSWALVLRLLALLWPPGRGEACSCAPAHPPQQHFCHSALVIRAKISSEKVVVASKDPADTQKL
 IRYEIKQIKMFKGFKAKADIQYVYTPFDSSLCGVKLETNSHKYLLTGQILSDGKVF IHL CNYIEPWEDL
 SLVQRESLNHHYHQNGCQITTCYAVPCTISAPNECLWTDWLLERKLYGYQAQHYVCMKHVDGICSWYRG
 HLHLRKEYVDIIQP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_080639

ORF Size: 675 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:

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_080639.4](#)

RefSeq Size: 1416 bp

RefSeq ORF: 675 bp

Locus ID: 110595

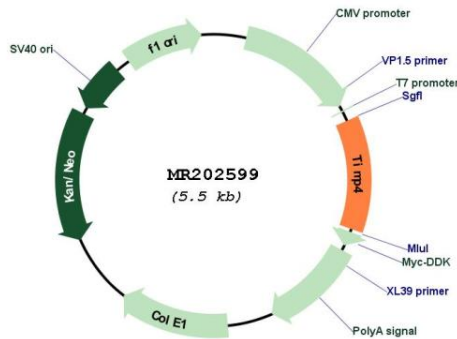
UniProt ID: [Q9JHB3](#)

Cytogenetics: 6 53.29 cM

MW: 25.8 kDa

Gene Summary: Complexes with metalloproteinases (such as collagenases) and irreversibly inactivates them by binding to their catalytic zinc cofactor.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR202599