

Product datasheet for **MG202599**

Timp4 (NM_080639) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Timp4 (NM_080639) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Timp4
Synonyms:	TIMP-4; Timp-4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202599 representing NM_080639 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCCTGGAGTCCCCTGGCTGCGCTGAGCTGGGCGCTGGTGCTGAGGCTGCTGGCTTTGCTGTGGCCCC
 CTGGACGGGGTGAGGCGTGCAGCTGTGCGCCTGCGCACCCCCAGCAGCACTTCTGCCACTCGGCTCTAGT
 GATACGGGCCAAAATATCCAGTGAGAAGGTAGTCCCTGCCAGCAAAGACCCTGCTGACACTCAAAAACCTG
 ATCCGGTATGAAATCAAACAGATAAAGATGTTTAAAGGGTTCGAGAAGGCCAAGGATATTCAGTATGTCT
 ACACGCCATTTGACTCTTCCCTCTGTGGTGTGAAGCTAGAAACCAACAGTCACAAGCAGTATCTTTTGAC
 TGGCCAGATTCTCAGTGATGGAAGTCTTCATCCATCTGTGCAACTACATTGAGCCCTGGGAGGACCTG
 TCCTTGGTGCAGAGGGAGAGCCTGAATCATCACTACCACCAGAACTGTGGCTGCCAAATCACCATTGTCT
 ATGCAGTGCCATGTACCATCTCAGCCCCCAATGAGTGTCTCTGGACGGACTGGCTGCTGGAACGGAAGCT
 CTATGGGTACCAGGCCCAGCACTATGTCTGCATGAAGCATGTTGATGGCATCTGCAGCTGGTACCGAGGC
 CACCTACACCTCCGAAGGAGTACGTTGACATCATCCAGCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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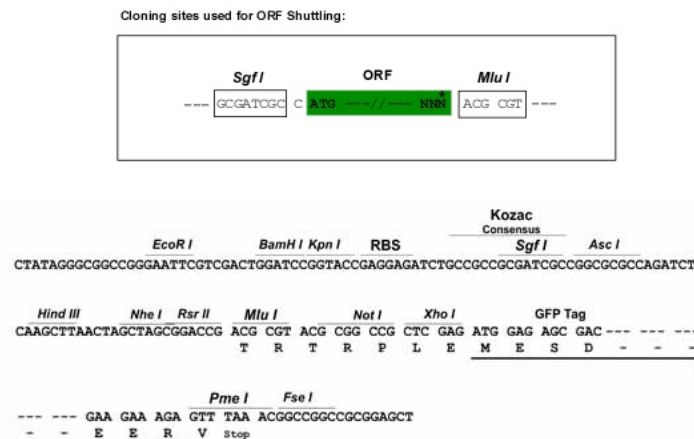
Protein Sequence: >MG202599 representing NM_080639
 Red=Cloning site Green=Tags(s)

MPWSPLAALSWALVLRLLALLWPPGRGEACSCAPAHPPQHFCHSALVIRAKISSEKVVPAKDPADTQKL
 IRYEIKQIKMFKGFEEKAKDIQYVYTPFDSSLCGVKLETNSHKQYLLTGQILSDGKVFHLCNYIEPWEDL
 SLVQRESLNHHYHQNCGCQITTCYAVPCTISAPNECLWTDWLLERKLYGYQAQHYVCMKHVDGICSWYRG
 HLHLRKEYVDIIQP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_080639

ORF Size: 672 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_080639.4](#)

RefSeq Size: 1416 bp

RefSeq ORF: 675 bp

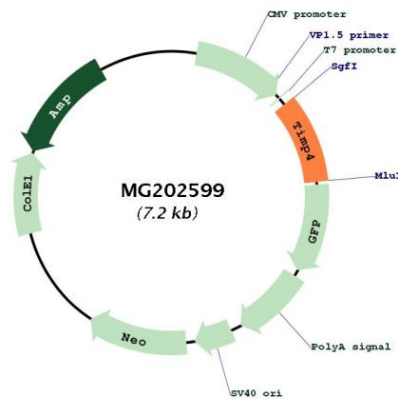
Locus ID: 110595

UniProt ID: [Q9JHB3](#)

Cytogenetics: 6 53.29 cM

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 MG202599