

## Product datasheet for **MC226288**

### Timp1 (NM\_001044384) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Timp1 (NM_001044384) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Timp1
Synonyms:	Clgi; EPA; Timp; TIMP-1; TPA-S1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC226288 representing NM_001044384 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGATGGCCCCTTTGCATCTCTGGCATCTGGCATCCTCTTGTGCTATCACTGATAGTCCAGTAAGG  
CCTGTAGCTGTGCCCCACCCACCCACAGACAGCCTTCTGCAACTCGGACCTGGTCATAAGGGCTAAATT  
CATGGGTTCCCCAGAAATCAACGAGACCACCTTATACCAGCGTTATAAGATCAAGATGACTAAGATGCTA  
AAAGGATTC AAGGCTGTGGGAAATGCCGAGATATCCGGTACGCCCTACACCCAGTCATGGAAAGCCTCT  
GTGGATATGCCCAAGTCCCAGAACCGAGTGAAGAGTTTCTATCACGGGCCGCCAAGGAACGGAAA  
TTTGCACATCAGTGCCTGCAGCTTCTTGGTTCCCTGGCGTACTCTGAGCCCTGCTCAGCAAAGAGCTTTC  
TCAAAGACCTATAGTGTGGCTGTGGGGTGTGCACAGTGTTCCTGTTTATCTATCCCTTGCAAAGTGG  
AGAGTGACACTCACTGTTTGTGGACGGATCAGGTCCTCGTGGGCTCTGAGGACTACCAGAGCCGTCACCT  
TGCTTGCTGCCACGGAATCCAGGCTTGTGCACCTGGAGATCCCTTGGGGCCCGA**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001044384
Insert Size:	618 bp

**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).



[View online »](#)

<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001044384.1</a></u> , <u><a href="#">NP_001037849.1</a></u>
<b>RefSeq Size:</b>	905 bp
<b>RefSeq ORF:</b>	618 bp
<b>Locus ID:</b>	21857
<b>UniProt ID:</b>	<u><a href="#">P12032</a></u>
<b>Cytogenetics:</b>	X 16.38 cM
<b>Gene Summary:</b>	<p>Metalloproteinase inhibitor that functions by forming one to one complexes with target metalloproteinases, such as collagenases, and irreversibly inactivates them by binding to their catalytic zinc cofactor. Acts on MMP1, MMP2, MMP3, MMP7, MMP8, MMP9, MMP10, MMP11, MMP12, MMP13 and MMP16. Does not act on MMP14 (By similarity). Also functions as a growth factor that regulates cell differentiation, migration and cell death and activates cellular signaling cascades via CD63 and ITGB1. Plays a role in integrin signaling.</p> <p>[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (a). Variants 1 and 2 encode the same isoform.</p>