

Product datasheet for **SC122650**

TIMP4 (NM_003256) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TIMP4 (NM_003256) Human Untagged Clone
Tag:	Tag Free
Symbol:	TIMP4
Synonyms:	TIMP-4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_003256 edited
 GCTCAGCAAGGGGTCCGTCTTCTCTGTCACTGTCTCTTTTGCCTGTTGTAATTCTGTCT
 GCCTCTCTGGGACTCTGCCTGTCTCACTCTTTCTGTCTGTGCCTCTCCTCACTCTTGTTCT
 TTTCTGCCTGAATCACAGCCCTCAGTTTTTCTGTCTCATGCATTTGTCTTTGTGGCTCT
 TTCCGTCTTTCTGCCCTTGACACCATCCCCTCTCCCAGTGCTTCCCCTCTGCTTCCAGAT
 CGCTTACGACTTAGGCAGGGAAACAGAGGTCAGGGCCTCCTTCCAGGCTTCCCCTGCA
 TCTTACTGAGTATGCAGGTCGGAAGAGCCTCGGGTCTGCCTCCGCGGGTGCCTAGAGC
 CAAAGGAAGGCGAGCCCGTCCGGGCGGGATTGGCCCTTAGGGCCACCTATAAAGCCTG
 GGGCGAGGGGCACAACGGCCTTGGGAAGGAGCCCTGCTGGGGCCGTCCAGTCCCCCAGAC
 CTCACAGGCTCAGTCGCGGATCTGCAGTGTATGCCTGGGAGCCCTCGGCCCGCGCAAG
 CTGGGTGCTGTTGCTGCGGCTGTGGCCTTGTGCGGCCCGGGGCTGGGTGAGGCATG
 CAGCTGCGCCCCGGCGCACCCCTCAGCAGCACATCTGCCACTCGGCACTTGTGATTCGGGC
 CAAAATCTCCAGTGAGAAGGTAGTTCGGCCAGTGCAGACCTGTGACACTGAAAAAT
 GCTCCGGTATGAAATCAAACAGATAAAGATGTTCAAAGGGTTTGAGAAAAGTCAAGGATGT
 TCAGTATATCTATACGCCTTTTACTCTTCCCTCTGTGGTGTGAAACTAGAAGCCAACAG
 CCAGAAGCAGTATCTCTTACTGCTGAGTCTCAGTGTGAAAAAGTCTTCATCCATCT
 GTGCAACTACATCGAGCCCTGGGAGGACCTGTCCTTGGTGCAGAGGGAAAGTCTGAATCA
 TCACTACCATCTGAACTGTGGCTGCCAAATCACCACCTGTACACAGTACCCTGTACCAT
 CTCGGCCCTAACGAGTGCCTCTGGACAGACTGGCTGTTGGAACGAAAGCTCTATGGTTA
 CCAGGCTCAGCATTATGTCTGTATGAAGCATGTTGACGGCACCTGCAGCTGGTACCGGGG
 CCACCTGCCTCTCAGGAAGGAGTTTGTGACATCGTTCAGCCCTAGTAGGGACCAGTGAC
 CATCACATCCCTTCAAGAGTCTGAAGATCAAGCCAGTTCTCCTTCCCTGCAGAGCTTTG
 GCCATTACCACCTGACCTTTGCTGCCAGCTAATAAGAAGTGCCAAGTGGACAGTCTGGC
 CACTGTCAAGGCAGGGAAGGGCCATGACTTTTTCTGCCCTGCCCTCAGCCTGTTGCCCT
 GCCTCCAAACCCATTAGTCTAGCCTTGTAGCTGTTACTGCAAGTGTTCCTTCTGGCTT
 AGTCTGTTTTCTAAAGCCAGGACTATTCCTTTCTCCCCAGGAATATGTGTTTTCTTT
 GTCTTAATCGATCTGGTAGGGAGAAAATGGCGAATGTCATACACATGAGATGGTATATCC
 TTGCGATGTACAGTATCAGAAGGTGGTTTACAGCATCATAAACAGGCTGACTGGCAGGA
 ATGAAAAACAAGAAA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_003256 unedited
 AGTTCAAATATTTGTATACGACTCACTATAGGCGGCCGGAATCCCGGNAATCGTCGAC
 CCACGCGTCCGGCTCACAGGGGTCCGTCTTCTCTGTCACTGTCTCTTTTGCCTGTTGT
 AATTCTGTCTGCCTCTCTGGGACTCTGCCTGTCTCACTCTTTCTGTCTGTGCCTCTCCT
 ACTCTTGTCTTTCTGCCTGAATCACAGCCCTCAGTTTTTCTGTCTCATGCATTTGTCT
 TTGTGGCTCTTTCCGTCTTTCTGCCCTTGACACCATCCCCTCTCCCAGTGCTTCCCCTCT
 GCTTCCAGATCGCTTACTGACTTAGGCAGGGAAACAGAGGTCAGGGCCTCCTTCCAGGCT
 TCCCTCTGCATCTTACTGAGTATGCAGGTCGGAAGAGCCTCGGGTCTGCCTCCGCGGGT
 GGCTTAGAGCCAAAGGAAGGCGAGCCCGTCCGGGCGGGATTGGCCCTTAGGGCCACCTC
 ATAAAGCCTGGGGCGAGGGGCACAACGGCCTTGGGAAGGAGCCCTGCTGGGGCCGTCCAG
 TCCCCAGACCTCACAGGCTCAGTCGCGGATCTGCAGTGTATGCCTGGGAGCCCTCGGC
 CCGCGCAAGCTGGGTGCTGTTGCTGCGGCTGTGGCCTTGTGCGGCCCGGGGCTGG
 GTGAGGCATGCAGCTGCGCCCCGGCGCACCCCTCAGCAGCACATCTGCCACTCGGCACTTG
 TGATTCGGCCCAATCTCCAGTGAAGAAGTAGTTTCCGCCAGTGCAGACCTGTGACA
 CTGAAAAATGCTCCGGTATGAAATCAAACAGATAAAATGTTCCAAGTTTGAGAAAAGTC
 AAGATGGTCAGTATACCATACCCCTTTTACTCTTCTCTCTGTGTGAAACTAAAACCC
 ACCGCCAGAC

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_003256 unedited NATGNCTNNGTCAAACCACCTTCTGAACTGTACATCGCAAGGATATACCATCTCATGTGT ATGACATTCGCCATTTCTCCCCTACCAGATCGATTAAGACAAAGGAAAACACATATTCCT GGGGAGGAAAGGGAATAGTCCTGGCTTTAGAAAACAGACTAAGCCAGAAGAAACACTTGC AGTAACAGCTACAAGGCTAGACTAATGGGGTTTGGGAGGCAGGGGCAACAGGCTGAGGGC AGGGCAGAAAAGTCATGGCCCCCTCCCTGCCTTGACAGTGGCCAGACTGTCCACTTGCCA CTTCTTATTAGCTGGCAGCAAGAGGTCAGGTGGTAATGGCCAAAGCTCTGCAGGGAAGGA GAACTGGCTTGATCTTCAGGACTCTTGAAGGGATGTGATGGTCACTGGTCCCTACTAGGG CTGAACGATGTCAACAACTCCTTCCTGAGAGGCAGGTGGCCCCGGTACCAGCTGCAGGT GCCGTCAACATGCTTCATACAGACATAATGCTGAGCCTGGTAACCATAGAGCTTTCGTTT CAACAGCCAGTCTGTCCAGAGGCACTCGTTAGGGGCCGAGATGGTACAGGGTACTGTGTA GCANGTGGTGATTTGGCAGCCACAGTTCAGATGGTAGTGATGATTCAGACTTTCCTCTG CACCAAGGACAGGTCCTCCCAAGGCTCGATGTAGTTGCACAGATGGATGAAGACTTTTCC ATCACTGAGACCTGACAGTCCAGAGAACTGCTTCTCTGCTTGGCTTCAATTTTACACCC CAGAGGGAAGGATCAAAGGCGTATAGATATACTGAACACCCTTGATTTCTTAAACCCTT TGGACATCCTTATCTGTTTGAGTTGCTACCGG
Restriction Sites:	Please inquire
ACCN:	NM_003256
Insert Size:	1750 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).
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:	<u>NM_003256.2</u> , <u>NP_003247.1</u>
RefSeq Size:	1463 bp
RefSeq ORF:	675 bp
Locus ID:	7079
UniProt ID:	<u>Q99727</u>
Cytogenetics:	3p25.2
Protein Families:	Druggable Genome, Secreted Protein

Gene Summary:

This gene belongs to the TIMP gene family. The proteins encoded by this gene family are inhibitors of the matrix metalloproteinases, a group of peptidases involved in degradation of the extracellular matrix. The secreted, netrin domain-containing protein encoded by this gene is involved in regulation of platelet aggregation and recruitment and may play role in hormonal regulation and endometrial tissue remodeling. [provided by RefSeq, Jul 2008]