

Product datasheet for **SC321254**

TIMP3 (NM_000362) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TIMP3 (NM_000362) Human Untagged Clone
Tag:	Tag Free
Symbol:	TIMP3
Synonyms:	HSMRK222; K222; K222TA2; SFD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_000362.4
 GCTCCTCCAGCTCCTGCTCCTTCGCGGGAGGCCGCCCGGAGTCTGCGCCAGCGCCG
 AGGCAGCTCGTGCGCCCATCCCGTCCCGCCGGGCACTCGGAGGGCAGCGCGCCGGAG
 GCCAAGTTGCCCGCACGGCCCGGGCGGAGCGAGCTCGGGCTGCAGCAGCCCCGCCG
 GCGGCGGCACGGCAACTTTGGAGAGGCGAGCAGCAGCCCCGGCAGCGGGCGCAGCAGCG
 GCAATGACCCCTTGGCTCGGGCTCATCGTCTCCTGGGAGCTGGAGCCTGGGGGACTGG
 GGCGCGAGGCGTGCACATGCTCGCCAGCCACCCAGGACGCCTTCTGCAACTCCGAC
 ATCGTGATCCGGCCAAGGTGGTGGGAAGAAGCTGGTAAAGGAGGGGCCCTTCGGCAGC
 CTGGTCTACACCATCAAGCAGATGAAGATGTACCGAGGCTTACCAAGATGCCCATGTG
 CAGTACATCCATACGGAAGCTTCCGAGAGTCTCTGTGGCCTTAAGCTGGAGGTCAACAAG
 TACCAGTACCTGCTGACAGGTGCGTCTATGATGGCAAGATGTACACGGGCTGTGCAAC
 TTCGTGGAGAGTGGGACCAGCTCACCTCTCCAGCGCAAGGGGCTGAACTATCGGTAT
 CACCTGGGTTGTAAGTCAAGATCAAGTCTGCTACTACCTGCCTTGCTTTGTGACTTCC
 AAGAACGAGTGTCTCTGGACCGACATGCTCTCAATTTTCGGTTACCTGGCTACCAGTCC
 AAACACTACGCCATCCGGCAGAAGGGCGGCTACTGCAGCTGGTACCGAGGATGGGCC
 CCCCCGATAAAAAGCATCATCAATGCCACAGACCCTGAGCGCCAGACCTGCCCCACCT
 CACTTCCCTCCCTCCCGCTGAGCTTCCCTTGGACACTAACTTCTCCAGATGATGACAA
 TGAAATTAGTGCCTGTTTTCTTGCAAAATTTAGCACTTGGAAATTTAAAGAAAGGTCTAT
 GCTGTCATATGGGGTTTATTGGGAACTATCCTCCTGGCCCCACCTGCCCTTCTTTTTG
 GTTTTGACATCATTATTTCCACCTGGGAATTTCTGGTGCATGCCAGAAAGAATGAGGA
 ACCTGTATTCCTTCTTCGTGATAATAATCTCTATTTTTTTAGGAAAACAAAATGA
 AAAACTACTCCATTTGAGGATTGTAATTTCCACCCCTCTTGCTTCTTCCACCTCACCA
 TCTCCCAGACCTTCCCTTTGCCCTTCTCCTCAATACATAAAGGACACAGACAAGGA
 ACTTGCTGAAAGGCCAACCAATTTCAAGATCAGTCAAAGGCAGCAAGCAGATAGACTCAAG
 GTGTGTGAAAGATGTTATACACCAGGAGCTGCCACTGCATGTCCCAACCAGACTGTGTCT
 GTCTGTCTGCATGTAAGAGTGAGGGAGGGAAGGAAGGAACTACAAGAGAGTGGAGAT
 GATGCAGCACACACAATTCCCAGCCCAGTGATGCTTGTGTTGACCAGATGTTCTGTA
 GTCTGGAGCAAGCACCCAGGCCAGAATAACAGAGCTTTCTTAGTTGGTGAAGACTTAAAC
 ATCTGCCTGAGGTCAGGAGGCAATTTGCCTGCCTTGTACAAAAGCTCAGGTGAAAGACTG
 AGATGAATGTCTTCTCCTCCCTCCACCAGACTTCTCCTGAAAAACGCTTTGGT
 AGATTTGGCCAGGAGCTTCTTTTATGTAATTTGATAAATACACACACCATAACTATC
 CACAGATATAGCCAAGTAGATTTGGGTAGAGGATACTATTTCCAGAATAGTGTAGCTC
 ACCTAGGGGGATAGTTTGTATACACATTTGCATATACCCACATGGGGACATAAGCTAAT
 TTTTTTACAGGACACAGAATTCTGTTCAATGCTGTTAAATATGCCAATAGTTTAACTCT
 TCTATTTTGTGTCGTTGCTTGTGTTGAAGAAAATCATGACATTTCAAGTTGACATTTTTT
 TTTCAATTTAATTAATAATTTGAAATTTGAACACCGTCAGCACCCCTCTCTCCCTATCAT
 GGGTCATCTGACCCTGTCCGCTCCTTGTCCCTGCTTCATGTTGGGGGCCCTTCTTTA
 ACTGCCTTCTGGCTTAGCTCAGATGCCAGATGAGAGTGTAGTCAAGGGCCTGGGCACAG
 GAGGGAGAGCTGCAGAGTGCCTGCCTGCCTTGGCTGGAGGGACACCTCTCCTGGGTGTG
 GAGACAGCTTGGTCCCTTTCCCTAGCTCCCTGGTGGTGAATGCCACCTCCTGAGATCC
 TCACCTCTTGAATTAATAATTTGTTGCTACTGGGAAAGCCTGAGTTTGAACCAAGTTGT
 AGGGTTCTGTTGTGTTTTTTTTTTTTTTTTTTTGAATAAAAATAAATAAATTTCTCCT
 ATTAATAAAAATTTTAAAGTTTTAGTGTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAA

Restriction Sites: Please inquire
ACCN: NM_000362
Insert Size: 2500 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
OTI Annotation:	<p>This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.</p>
Components:	<p>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).</p>
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:	<p>NM_000362.4, NP_000353.1</p>
RefSeq Size:	5496 bp
RefSeq ORF:	636 bp
Locus ID:	7078
UniProt ID:	P35625
Cytogenetics:	22q12.3
Domains:	NTR
Protein Families:	Druggable Genome, Secreted Protein
Gene Summary:	<p>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 (ECM). Expression of this gene is induced in response to mitogenic stimulation and this netrin domain-containing protein is localized to the ECM. Mutations in this gene have been associated with the autosomal dominant disorder Sorsby's fundus dystrophy. [provided by RefSeq, Jul 2008]</p>