

## Product datasheet for **SC219503**

### **TIMP2 (NM\_003255) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	TIMP2 (NM_003255) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	TIMP2
Synonyms:	CSC-21K; DDC8
ACCN:	NM_003255
Insert Size:	2000 bp



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**Insert Sequence:**

>SC219503 3'UTR clone of NM\_003255

The sequence shown below is from the reference sequence of NM\_003255. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CAGGAGTTTCTCGACATCGAGGACCCATAAGCAGGCCTCCACGCCCTGTGGCCAACGAAAAAAG
CCTCCAAGGGTTTCGACTGGTCCAGCTCTGACATCCCTTCTGGAACAGCATGAATAAAACACTCATC
CCATGGGTCCAAATTAATATGATTCTGCTCCCCCTTCTCCTTTTAGACATGGTTGTGGGCTCGAGGG
AGACGTGGGTCCAAGTCTCATCCATCTCCCTCTGCCAGGCACTATGTGTCTGGGGCTCGATCCT
TGGGTGCAGGCAGGGCTGGGACACGCGGCTTCCCTCCAGTCCCTGCCTTGGCACCGTCACAGATGCCA
AGCAGGCAGCACTTAGGGATCTCCAGCTGGGTTAGGGCAGGGCCTGAAATGTGCATTTTGCAAAAC
TTTTGAGGGTCGTTGCAAGACTGTGTAGCAGGCCTACCAGTCCCTTTCATCTTGAGAGGGACATGGCC
CTTGTCTTCTGCAGCTTCCAGCCTCTGCACTCCCTGCCCTGGCAAGTGTCCCATCGCCCCGGTGCC
CACCATGAGCTCCAGCAGCTGACTCCCCCACATCCAAGGGCAGCCTGGAACAGTGGTAGTTCTTG
AAGGAGCCCCATCAATCCTATTAACTCCTCAGAATTCCAGTGGGAGCCTCCCTCTGAGCCTTGTAGAAT
GGGAGCGAGAAACCCAGCTGAGCTGCGTTCAGCCTCAGCTGAGTCTTTTTGGTCTGCACCCACCCCC
CCACCCCCCGCCACATGCTCCCCAGCTTGCAGGAGGAATCGGTGAGGTCTGTCTGAGGC
TGCTGTCCGGGGCGGTGGCTGCCCTCAAGTCCCTTCCCTAGCTGTGCGGTGCCATTGCTTCTTGC
CTGTTCTGGCATCAGGCACCTGGATTGAGTTGCACAGCTTTGCTTTATCCGGGCTGTGTGCAGGGCCC
GGCTGGGCTCCCATCTGCACATCTGAGGACAGAAAAAGCTGGGTCTTGTGTGCCCTCCAGGCTTA
GTGTTCCCTCCCTCAAAGACTGACAGCCATCGTTCTGCACGGGGCTTTCTGCATGTGACGCCAGCTAAG
CATAGTAAGAAGTCCAGCCTAGGAAGGGAAGGATTTGGAGGTAGGTGGCTTTGGTGACACACTCACTT
CTTTCTCAGCCTCCAGGACACTATGGCCTGTTTTAAGAGACATCTATTTTTCTAAAGGTGAATTCTCA
GATGATAGGTGAACCTGAGTTGCAGATATACCAACTTCTGCTTGTATTTCTAAATGACAAAGATTACC
TAGCTAAGAACTTCTAGGGAAGTCCAGGAACTATGTGTTCCCTCAGTGTGGTTTCTGAAGCCAGTG
ATATGGGGTTAGGATAGGAAGAACTTTCTCGGTAATGATAAGGAGAATCTTTGTTTCTCCACCTG
TGTTGTAAGATAAACTGACGATATACAGGCACATTATGTAACATACACACGCAATGAAACCGAAGCT
TGGCGGCTGGGCGTGGTCTTGCAAAATGCTTCCAAAGCCACCTAGCCTGTTCTATTACAGGGCAACC
CCAAAGCACCTGTTAAGACTCCTGACCCCAAGTGGCATGCAGCCCCATGCCACCGGGACCTGGTCA
GCACAGATCTTGATGACTTCCCTTCTAGGGCAGACTGGGAGGGTATCCAGGAATCGGCCCTGCCCA
CGGGCGTTTTTATGCTGTACAGTGACCTAAAGTTGGTAAGATGTCATAATGGACCAGTCCATGTGATTT
CAGTATATACTCCACCAGACCCCTCAACCCATATAACACCCACCCCTGTTTCGCTTCTGTATGG
TGATATCATATGTAACATTTACTCCTGTTTCTGCTGATTGTTTTTTAATGTTTTGGTTGTTTTGAC
ATCAGCTGTAATCATTCTGTGCTGTGTTTTTTATTACCTTGGTAGGTATTAGACTTGCACCTTTTTT
ACGCGT AAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
    
```

**Restriction Sites:**

SgfI-MluI

**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:**

The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:**

[NM\\_003255.5](#)

**Summary:** This gene is a member of the TIMP gene family. The proteins encoded by this gene family are natural inhibitors of the matrix metalloproteinases, a group of peptidases involved in degradation of the extracellular matrix. In addition to an inhibitory role against metalloproteinases, the encoded protein has a unique role among TIMP family members in its ability to directly suppress the proliferation of endothelial cells. As a result, the encoded protein may be critical to the maintenance of tissue homeostasis by suppressing the proliferation of quiescent tissues in response to angiogenic factors, and by inhibiting protease activity in tissues undergoing remodelling of the extracellular matrix. [provided by RefSeq, Jul 2008]

**Locus ID:** 7077

**MW:** 72.8