

Product datasheet for **SC305004**

tenomodulin (TNMD) (NM_022144) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	tenomodulin (TNMD) (NM_022144) Human Untagged Clone
Tag:	Tag Free
Symbol:	tenomodulin
Synonyms:	BRICD4; CHM1L; TEM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC305004 representing NM_022144. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCAAAGAATCCTCCAGAGAATTGTGAAGACTGTCACATTCTAAATGCAGAAGCTTTAAATCCAAG
AAAATATGTAATCACTTAAGATTTGTGGACTGGTGTGGTATCCTGGCCCTAACTCTAATTGCCTG
TTTTGGGGGAGCAAGCACTTCTGGCCGGAGGTACCCAAAAAGCCTATGACATGGAGCACACTTTCTAC
AGCAATGGAGAGAAGAAGATTTACATGGAAATTGATCCTGTGACCAGAAGTAAATATTCAGAAGC
GGAAATGGCACTGATGAAACATTGGAAGTGCACGACTTTAAAAACGGATACACTGGCATCTACTTCGTG
GGTCTTCAAAAAATGTTTTATCAAACTCAGATTAAGTGATTCTGAATTTTCTGAACCAGAAGAGGAA
ATAGATGAGAATGAAGAAATTACCACAACCTTTCTTTGAACAGTCAGTGATTTGGGTCCCAGCAGAAAAG
CCTATTGAAAACCGAGATTTTCTTAAAAATCCAAAATCTGGAGATTTGTGATAACGTGACCATGTAT
TGGATCAATCCCCTCTAATATCAGTTTCTGAGTTACAAGACTTTGAGGAGGAGGGAGAAGATCTTAC
TTTCTGCCAACGAAAAAAGGGATTGAACAAAATGAACAGTGGTGGTCCCTCAAGTGAAGTAGAG
AAGACCGTACGCCAGACAAGCAAGTGAAGAACTTCCAATAAATGACTATACTGAAAATGGAATA
GAATTTGATCCCATGCTGGATGAGAGAGGTTATTGTTGTATTTACTGCCGTCGAGGCAACCGCTATTGC
CGCCGCTGTGAACCTTTACTAGCTACTACCATATCCATACTGCTACCAAGGAGGACGAGTCATC
TGTCGTGTCATGCTTGTAACTGGTGGTGGCCCGCATGCTGGGGAGGGTTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGCCCGCC
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_022144
Insert Size:	954 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).
OTI Annotation:	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.
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:	NM_022144.2
RefSeq Size:	1360 bp
RefSeq ORF:	954 bp
Locus ID:	64102
UniProt ID:	Q9H2S6
Cytogenetics:	Xq22.1
Protein Families:	Transmembrane
MW:	37.1 kDa
Gene Summary:	This gene encodes a protein that is related to chondromodulin-I, which is a cartilage-specific glycoprotein that functions to stimulate chondrocyte growth and to inhibit tube formation of endothelial cells. This protein is also an angiogenesis inhibitor. Genetic variation in this gene is associated with a risk for type 2 diabetes, central obesity and serum levels of systemic immune mediators in a body size-dependent manner. This gene is also a candidate gene for age-related macular degeneration, though a direct link has yet to be demonstrated. [provided by RefSeq, Sep 2009]