

Product datasheet for **SC303190**

Matrilin 3 (MATN3) (NM_002381) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Matrilin 3 (MATN3) (NM_002381) Human Untagged Clone
Tag:	Tag Free
Symbol:	Matrilin 3
Synonyms:	DIPOA; EDM5; HOA; OADIP; OS2; SEMDBCD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC303190 representing NM_002381.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCGCGCCCGGCCCGCGCGCCCTCCCGGGACTCCTCCTGCTGCTCTGGCCGCTGCTGCTGCTG
CCCTCCGCGCCCGCCGACCCCGTGGCCCGCCGGGCTCCGGAGGCTGGAGACCCGAGGTCCCGGGGC
AGCCCTGGACCGCCCTCTCCTGCGGCTCCCGACGGCGCGCCGCTCCGGGACCAGCGAGCCTGGC
CGCGCCCGCGGTGCAGGTGTTTGAAGAGCAGACCCTTGACCTGGTGTATTATCATTGATAGTTCTCGT
AGCGTACGGCCCTGGAATTCACCAAAGTAAAACTTTTGTCTCCCGGATAATCGACACTCTGGACATT
GGGCCAGCCGACACGCGGTGGCAGTGGTGAACACTATGCTAGCACTGTGAAGATCGAGTTCCAACCCAG
GCCTACACAGATAAGCAGTCCCTGAAGCAGGCCGTGGGTCAATCACACCCTTGCAACAGGCACCATG
TCAGGCCATGCCATCCAGACAGCAATGGACGAAGCCTTACAGTGGAGGCAGGGGCTCGAGAGCCCTCT
TCTAACATCCCTAAGGTGGCCATCATTGTTACAGATGGGAGGCCCCAGGACCAGGTGAATGAGGTGGCG
GCTCGGGCCCAAGCATCTGGTATTGAGCTCTATGCTGTGGCGTGGACCGGCAGACATGGCGTCCCTC
AAGATGATGGCCAGTGAAGCCCTAGAGGAGCATGTTTTCTACGTGGAGACCTATGGGGTCATTGAGAAA
CTTTCCTCTAGATTCCAGGAAACCTTCTGTGCGCTGGACCCCTGTGTGCTTGAACACACCAAGTCCAG
CACGTCTGCATCAGTGTGGGAAGGCAAGCACCCTGTGAGTGTAGCCAAGGATACACCTTGAATGCC
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TGTTACAGTCAAGATAAATGTGCTTTGGGTACCATGGGTGTGAGCACATTTGTGTAATGACAGAAAC
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TGTGATTGCTATCCTGGCTACACCTTAAATGAGGACAAGAAAACATGTTACGCCACTGAGGAAGCACGA
AGACTTGTTCCTGAAGATGCTTGTGGATGTGAAGCTACACTGGCATTCCAGGACAAGGTGAGCTCG
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ATACATCGTTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_002381

Insert Size: 1461 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_002381.4
RefSeq Size:	2600 bp
RefSeq ORF:	1461 bp
Locus ID:	4148
UniProt ID:	O15232
Cytogenetics:	2p24.1
Protein Families:	Druggable Genome, Secreted Protein
MW:	52.8 kDa
Gene Summary:	<p>This gene encodes a member of von Willebrand factor A domain containing protein family. This family of proteins is thought to be involved in the formation of filamentous networks in the extracellular matrices of various tissues. This protein contains two von Willebrand factor A domains; it is present in the cartilage extracellular matrix and has a role in the development and homeostasis of cartilage and bone. Mutations in this gene result in multiple epiphyseal dysplasia. [provided by RefSeq, Jul 2008]</p>