

## Product datasheet for **SC305265**

### Matrilin 4 (MATN4) (NM\_030590) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Matrilin 4 (MATN4) (NM_030590) Human Untagged Clone
Tag:	Tag Free
Symbol:	MATN4
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_030590, the custom clone sequence may differ by one or more nucleotides ATGAGAGGCCCTTCTTTGCTGGCCCGTGTGCTGCTCCTTCTTCAGCCCTGGGAAACCCAG CTCCAGTTGACAGGTCCCAGGTGTCACTGGGCCCTGGATCTGGTGTTCGTGATTGAC AGCTCCCAGCGTGCGCCCTTTCGAGTTCGAGACCATGCGGCAGTTCCTCATGGGCCTC CTCCGAGGCCGTAACGTGGGTCCCAACGCCACGCGCGTGGCGTGATCCAGTATTCGAGT CAAGTGACAGCGTCTCCCTCTCCGCGGTTCTCTCGCCGCGAGGACATGGAGCGCGCC ATCCGCGACCTGGTGCCTCTGGCGCAAGGCACCATGACGGGACTGGCAATCCAGTACGCC ATGAACGTGGCCTTCAGTGTGGCCGAGGGCGCGCACCAGAGGAGGAGCGCGTGGCCGCT GTCGCTGTTCATCGTGACAGACGGCGGCCCCAGGACCGCGTGGCCGAGGTGGCGGCACAG GCGCGCGCCCGCGCATTGAAATTTACGCGGTGGGGTGCAGCGCGCGGACGTGGGCTCC CTGCGCGCCATGGCATCGCCCCGCTAGACGAGCACGTCTTCTCGTAGAGTCTTCGAC CTCATCCAGGAGTTCGGCCTGCAGTTCAGAGCCGGTGTGTGCCATTGACTACTGCAGC TTTGGGAACCATAGCTGTCAGCATGAGTGTGTTAGCACCCCTGGTGGCCACGGTGCCAC TGCAGAGAGGGCCATGACTTGCAGCCTGATGGGAGGAGCTGTGAGTCCGGGACCTTTGC AATGGCGTGGACCATGGCTGTGAGTTCAGTGTGTGAGCGAGGGCTCTCCTACCGCTGC CTGTGCCCGAGGGCGGCAACTTCAGGCAGATGGCAAGAGCTGCAACCGGTGCCGGAA GGCCACGTGGACCTTGTCTGCTGGTTGATGGCTCCAAGAGCGTGCCTCCAAAACTTC GAGCTAGTGAAGCGCTTCGTGAACCAGATTGTGGACTTCCTAGATGTGTCCCCGAGGGC ACGCGGGTGGGGCTGGTGCAGTTCTCGAGCCGCGTGCACACCGAGTTCCTCTGGGTGCG TACGGCACCGCAGCCGAGGTGAAGCAGGCGGTCTGGCCGTGGAGTACATGGAACCGCGC ACCATGACAGGGCTGGCCTTACGTCACATGGTGGAGCACAGCTTCTCCGAGGCGCAGGGT GCACGGCCCCGTGCCCTAACGTGCCTCGTGTGGCCTGGTCTTACGGATGGCCGCTCC CAGGATGACATCTCGGTGTGGCAGCGCGCCAAAGGAGGAAGGCATCGTCATGTACGCC GTGGCGTGGCAAGCGGTGGAGGCGGAGCTGCGGAGATCGCCTCGGAGCCAGCGGAA CTGCACGTGCTCTATGCCCGGACTTCGGCACCATGACGCACCTGCTGGAGAACCCTCAGA GGCAGCATCTGTCCAGAGGAGGGCATCAGCGCAGGGACAGAGCTTCGGAGCCCATGCGAA TGCGAAAGCCTCGTGGAGTTCAGGGCCGACGCTGGGGCGCTCGAGAGCCTGACGCTG AACCTGGCCAGCTGACGGCGCGCTGGAGGATCTGGAGAACCAGCTGGCCAACCAGAAG TGA
Restriction Sites:	Please inquire



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<b>ACCN:</b>	NM_030590
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_030590.1</a></u> , <u><a href="#">NP_085080.1</a></u>
<b>RefSeq Size:</b>	1969 bp
<b>RefSeq ORF:</b>	1623 bp
<b>Locus ID:</b>	8785
<b>UniProt ID:</b>	<u><a href="#">O95460</a></u>
<b>Cytogenetics:</b>	20q13.12
<b>Protein Families:</b>	Secreted Protein
<b>Gene Summary:</b>	<p>This gene encodes a member of von Willebrand factor A domain-containing protein family. The proteins of this family are thought to be involved in the formation of filamentous networks in the extracellular matrices of various tissues. This family member is thought to play a role in reorganizing and regenerating the corneal matrix in granular and lattice type I dystrophies. It may also be involved in wound healing in the dentin-pulp complex. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2013]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and lacks an alternate in-frame exon in the 5' coding region, compared to variant 1, resulting in an isoform (2) that is shorter than isoform 1.</p>