

Product datasheet for **MC219806**

Matn4 (NM_013592) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Matn4 (NM_013592) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Matn4
Synonyms:	matrilin-4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219806 representing NM_013592
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGAGGCCCTGCTGCTGCCACTCTCTCTGTTGCTGCTCTTCTGCAGTCCTGGAAACTCAGCTCC
 AGTCTGCAGGTCCTAGGTGCTATAATGGGCCCTGGATTTGGTGTTCATGATTGATAGCTCCCGCAGCGT
 GCGCCCTTCGAGTTTGAGACCATGAGGCACTTCTAGTGGGCCTCCTCCGCAGCCTGGACGTGGGTCTG
 AACGCCACGCGCTTGGGGTGTCCAGTATTCTAGTCAAGTGCAGAGCGTCTTCCCTGGGCGCCTTTT
 CGCGCCGCGAGGACATGGAACGAGCCATCCGCGCGGTGGTCCGCTGGCGCAGGGCACCATGACCGGGT
 GGCGATCCAGTACGCTATGAACGTGGCCTTACGCGAGGCCGAAGGCGCGGCCCATCGGAGGAGCGAGTG
 CCGCGCGTCTGGTTCATCGTGACAGACGGGCGACCTCAAGACCGAGTGGCCGAAGTGGCCGCTCAGGCGC
 GCGCCCGCGCATTGAGATCTATGCGGTAGGGTACAGCGAGCTGACGTGGGCTCTTTCGACCATGGC
 TTCGCCCGCGCTGGATCAGCATGTCTTCTTAGTGGAGTCTTCGATCTCATCCAGGAGTTTGGCCTGCAG
 TTCCAGGGCCGCCTGTGCGGGAAGGACCTGTGTGCTGAGTTGGTTCATGGCTGCCAACACCTGTGTGTCA
 ACGCCCCAGGAACATTCTACTGCGCCTGCAACTCTGGCTACAAGCTAGCACCAGATAACAAGAATTGTTT
 GGCTTGGATCTCTGCGCTGAAGGAACCATGGCTGTGAACACCTCTGTGTCAACTCCGTGGACTCGTAT
 TTCTGTGCTTGGCGAGCTGGCTTTGCGCTCCAGCAGGACCAGAGGAGCTGCAGAGCCATTGACTACTGCA
 GCTTTGGAACCACAGCTGCCAGCATGAGTGTGTGAGCACTTTGGAGGGGCCACAGTGTCTGTCAGAGA
 GGGCCACGACCTGCTACCTGATGGGAGAAGCTGTGCGGTGAGGACTTCTGCAATGATGTGGACCATGGC
 TGTGAGTCCAGTGTGTGAGTGGGTCTTTCTTCCACTGCCTGTGCCCTGAGGGGAGGCGACTTCAGG
 CTGATGGCAAGAGCTGTGACCGGTGCCGGGAGGGCCACGTGGATCTTGTCTCCTGGTGGATGGTTCCAA
 GAGCGTGCGCCACAGAACTTCGAGCTGGTGAAGCGCTTCGTGAACCAGATTGTGGATTTCTTTCAGCTG
 TCTCCCGAGGGCACAGTGTGGCTGGTGCAGTTCTCCAGCGGGTGGCCACCGAGTTCCTCCCTGGGCC
 GCTATGGCACCGCAGCTGAGGTGAAGCAGGCACTTTTGGCCGTGGAGTACATGGAGCGCGCACCATGAC
 AGGGCTGGCCCTGCGTACATGGTGGAGCACAGCTTCTCTGAGGCGCAGGGCGCGCGCCTCGGACCTC
 AACGTGCCTCGCGTGGGCTTGGTGTCTACTGATGGCCGCTCTCAGGATGACATTTCAAGTGTGGCAGCTC
 GTGCCAAAGGAAGGCATCGTCATGTATGCCGTGGGCGTGGGTAAAGCTGTGGAGGAAGAGCTGCGTGA
 GATCGCATCGGAACCATCGGAGTGCACGTGTCCTATTCTCCGGACTTTAGCACCATGACGCACCTGCTG
 GAGAATCTCAAAGGCAGCATTTGCCAGAGGAGGCATTGGCGCGGGACAGAGCTTCGGAGTCCCTGCG
 AATGCGAAAGCCTCGTGGAGTTCAGGGCCGACGCTGGGGCGCTCGAGAGCCTGACGCAGAACCTGGC
 TCGGCTGACAGAGCCCTGGAGGAGCTGGAGAACCAGCTGGCTAGCCGAAAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_013592

Insert Size: 1875 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).

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:

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_013592.4](#), [NP_038620.2](#)

RefSeq Size: 2508 bp

RefSeq ORF: 1875 bp

Locus ID: 17183

Cytogenetics: 2 85.16 cM

Gene Summary: Major component of the extracellular matrix of cartilage.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.