

## Product datasheet for **MR207715**

### Matn3 (NM\_010770) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Matn3 (NM_010770) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Matn3
Synonyms:	AV009181
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR207715 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTTGCTCTCAGCCCCCTTACGCCACCTCCCGGGCTTCTGCTGCTGCTCTGGCCGCTGTTGCTCCTGC  
 CTTCCCTGGCTGCTCCTGGACGTTTGGCCCGCGGAGCGTCCCGCGCTGGGGACACGAGTCCCGGAGG  
 CAGCCCTGGGCATCTCTGCTCTGGCTACTTCCACCCGCGGCCATATCCGGGGCCGCGGCGCAGGT  
 GTTTGCAAGAGCAGGCCTTTGGACTTGGTGTTCATCATTGATAGTTCTCGTAGCGTCCGGCCTCTGGAAT  
 TCACCAAGGTGAAGACCTTTGTCTCCCGCATCATCGACTCTGGGCATCGGGGCCACAGACACGAGGGT  
 GGCTGTGGTGAATATGCCAGCACTGTGAAGATAGAGTTCAGCTCAACACCTATTCCGACAAGCAGGCC  
 CTGAAACAGGCTGTGGCAGGATCACACCCTTGTCAACAGGCACCATGTCAGGGCTAGCTATCCAGACAG  
 CGATGGAGGAAGCCTTCACTGTGGAGGCCGGGGCTCGGGGGCCCATGTCTAACATCCCAAGGTAGCTAT  
 TATCGTGACAGATGGGAGCCCGCAGGACCAGGTGAATGAGGTGGCTGCTCGAGCCCGTGCATCTGGCATT  
 GAGCTGTATGCTGTGGGTGTGGACCGGGCAGATATGGAGTCCCTCAAGATGATGGCTAGCAAGCCCTGG  
 AAGAGCACGTCTTCTACGTGGAGACCTACGGGGTATTGAGAAGCTTTCTGCTAGATTCCAGGAAACCTT  
 TTGTGCTCTGGATCAGTGCATGCTTGGCACACACCAAGTGTGAGCACGTGTGTGTCAGCGATGGTGACGGC  
 AAGCATCACTGCGAGTGCAGCAAGGCTACACCTTGAACGCTGATGGGAAAACGTTTACGCCATTGATA  
 AGTGTGCCCTTAGCACTCATGGATGTGAACAGATCTGTGTCAACGACAGAAAATGGCTCTTACCACTGCGA  
 GTGCTATGGAGGTTACGCCTTGAATGCAGACAGGAGAACGTGTGCAGCTCTGGACAAATGCGCCTCTGGT  
 ACACATGGTTGCCAGCACATCTGTGTGAATGATGGAGCCGGTCCCATCACTGTGAATGTTTTGAAGGCT  
 ACACCTGAATGCAGATAAGAAAACATGTTTCAGTCCGGAACAAGTGTGCTTAGGCACTATGGCTGCCA  
 GCACATCTGTGTGAGTGATGGAGCAGTGGCCTACCACTGTGACTGCTTCCCTGGCTACACCTTGAATGAT  
 GACAAGAAGACATGTTTCAGACATTGAAGAAGCCGAAAGCCTATTTCCATAGAAGACGCCTGCGGCTGTG  
 GGGCCACGCTGGCATTCCAGGAGAAGGTGAGCTCCCATCTCCAGAAGCTGAACACCAAACCTTGACAACAT  
 TTTGAAGAAGTTGAAAGTAACAGAATATGGACAAGTACATCGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR207715 protein sequence  
 Red=Cloning site Green=Tags(s)

MLLSAPLRHLPGLLLLLWPLLLLPSLAAPGRLARASVRRLLGTRVPGGSPGHL SALATSTRAPYSGGRGAG  
 VCKSRPLDLVFIIDSSRSVRPLEFTKVKTFVSRIIDTLGIGATDTRVAVVNYASTVKIEFQLNTYSDKQA  
 LKQAVARITPLSTGTMSGLAIQTAMEEAFVVEAGARGPMSNIPKVAIIIVTDGRPQDQVNEVAARARASGI  
 ELYAVGVDRADMESLKMASKPLEEHVYVETYGVIEKLSARFQETFCALDQCMLGTHQCQHVCSVDGDDG  
 KHHCECSQGYTLNADGKTC SAIDKCALSTHGCEQICVNDNRNGSYHCECYGGYALNADRRCAALDKCASG  
 THGCQHICVNDGAGSHHCECFEGYTLNADKKTCSVRNKCALGTHGCQHICVSDGAVAYHDCDFPGYTLND  
 DKKTCSDIEEARSLISIEDACGGATLAFQEKVSSHLQKLNKLDNLIKLVTEYGVQVHR

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_010770

**ORF Size:** 1446 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_010770.2](#), [NP\\_034900.2](#)

**RefSeq Size:** 3014 bp

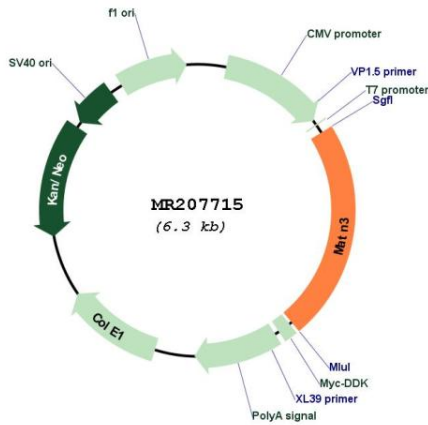
**RefSeq ORF:** 1446 bp

**Locus ID:** 17182

**UniProt ID:** [O35701](#)

**Cytogenetics:** 12 3.96 cM  
**MW:** 51.8 kDa  
**Gene Summary:** Major component of the extracellular matrix of cartilage and may play a role in the formation of extracellular filamentous networks.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR207715