

Product datasheet for **RN202634**

Matn4 (NM_001106539) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Matn4 (NM_001106539) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Matn4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN202634 representing NM_001106539
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGGGCCCTTTTGTGCTGCCACTGCCTCTGTTGCTGCTTTTCTTGCACTCCTGGAAACCCAGCTAC
 AGCCTGCAGGTCCTAGGTGCTATACTGGGCCCTGGATTTGGTGTTCATGATTGATAGTTCCCGCAGCGT
 GCGCCCTTCGAGTTCGAGACCATGAGGCACTTCTTGTGGCCCTCCTCCACAGCCTGGACGTGGGTCTG
 AACGCCACGCGCTTGGTGTGATCCAGTATTCTAGCCAAGTGCAGAGCGTCTTCCCTGGGCGCTTCT
 CGAACCAGGAGACATGGAACGCGCCATCCGCGCGGTGGTCCGCTGGCTCAGGGACCATGACCGGCT
 GGCGATCCAGTATGCCATGAACGTGGCCTTCCAGCGAGGCCGAAGGCGCGGCCCATCGGAAGAGCGAGTG
 CCGCGCGTCTGGTTCATCGTGACGGACGGGCGACCTCAAGACCGAGTGGCCGAAGTGGCCGCTCAAGCGC
 GCGCCCGGTATTGAGATCTATGCAGTAGGGTGCAGCGAGCCACGTGGGCTCTCGCGCCATGGC
 TTCACCACCGCTGGACCAGCATGCTTCTTGGTGGAGTCTTCGATCTCATCCAGGAGTTTGGCCTGCAG
 TTCCAGGGCCGGCTGTGTGGGAAGGACCTGTGTGCTGAGTTGGAGCATGGCTGCCAACACCTGTGTGTCA
 ACGCCCCAGGAACATTCTACTGCGCTGCAACTCTGGCTACAAGCTAGCGCCAGATAACAGGAATTGTTT
 GGCCATAGATCTCTGTGCTGAAGGAACCATGGTTGTGAACACCTCTGTGTGAGTTCTGTGGACTCTTAT
 TTCTGTGCTTGTGAGCTGGCTTTCAGCTCCAGCAGGACCAGAGAAGCTGCAGGGCCATTGACTACTGCA
 GCTTTGGAACCATAGTTGCCAGCATGAGTGTGTGAGCACTTTAGTGGGGCCACAGTGTGCTGCAGAGA
 AGGCCACGACCTGCTGCCGATGGGAGAAGCTGTGAGTGCAGGACTTCTGCAATGGCGTGGATCATGGC
 TGTGAGTCCAGTGTGTGAGTGGGTCTTTCTTCCACTGCCTGTGCCCTGAAGGGAGGCGACTCAGG
 CTGATGGCAAGAGCTGTGACCGGTGCCGGAGGGCCACGTGGATCTTGTCTCCTGGTGGATGGCTCCAA
 GAGTGTGCGTCCACAGAACTTCGAGCTGGTGAAGCGCTTCGTGAACAGATTGTGGATTTCTCGAGTG
 TCCCTGAGGGCACACGTGTTGGCTGGTGCAGTTCTCTAGCCGGTGGCAGTGGATTCCTCTGGGCC
 GCTATGGCACCGCGCTGAGGTGAAGCAGGCACTTTTGGCCGTCGAGTACATGGAGCGCGCACCATGAC
 AGGGCTGGCACTGCGTCACATGGTGGAGCACAGTTTCTCAGAGGTGCAGGGCGCGCGCCTCGAGACCTC
 AACGTGCCTCGTGGGATTGGTGTCTACTGACGGCCGCTCTCAGGATGACATTTCTGTGTGGGAGCTC
 GTGCCAAAGGAAGGTATCGTCATGTATGCTGTGGCGTGGCAAGGCTGTGGAGGAAGAGCTGCGCGA
 GATCGCATCCGAACCATCGAACTGCACGTGTCCTACTCTCCGGACTTTAACACCATGACACATCTGCTG
 GAGAATCTCAAAGGCAGCATTTGCCAGAGGAGGCATCAGCGGGGACAGAGCTTCGGAGTCCCTGCG
 AATGCGAAAGCCTCGTGGAGTTCAGGGACGCACGCTGGGGCGCTCGAGAGCCTGACGCGAAGCTGGC
 CCGGCTGACAGAGCCCTGGAGGAGCTGGAGAATCAGCTGGCTAGCCGGAAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001106539
- 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_001106539.1](#), [NP_001100009.1](#)

RefSeq Size: 2292 bp

RefSeq ORF: 1875 bp

Locus ID: 296358

Cytogenetics: 3q42