

Product datasheet for **MC209686**

Neu2 (NM_015750) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Neu2 (NM_015750) Mouse Untagged Clone
Tag: Tag Free
Symbol: Neu2
Synonyms: MBS; MSS; MTS
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC209686 representing NM_015750
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGACCTGCCCTGTCTGCAGAAGGAGACTGTTCCGCACAGGCGTCCATGCTTACAGAATCCCTG
 CTCTGCTCTACCTGAAGAAGCAGAAGACCCTGTGGCCTTTGCGGAAAAGCGAGCCAGCAAGACGGATGA
 GCACGCAGAGTTGATTGTCTGAGAAGAGGAAGCTACAACGAAGCCACCAACCGTGTCAAGTGGCAGCCT
 GAGGAAGTGGTGACCCAAGCCCAGCTGGAAGGCCACCGCTCCATGAATCCATGTCCCTTGTATGACAAGC
 AAACAAAGACCCTCTTCTTTTTCATCGCTGTCCCTGGGCGTGTATCAGAACATCATCAGCTCCACAC
 TAAGGTTAATGTACACGGCTGTGCTGTGTGAGCAGCACTGACCATGGGAGGACCTGGAGCCCCATCCAG
 GACCTCACAGAGACCACATTGGCAGCACTCATCAGGAATGGGCCACATTTGCTGTGGGTCTGGGCATT
 GTCTGCAGCTGCGGAACCCAGCTGGGAGCCTGCTGGTACCTGCTTATGCCTACCGGAAACTGCACCTGC
 TCAGAAGCCTACCCCTTTGCTTCTGCTTATCAGCCTTACCATGGGCACACATGGAACTAGGCAAC
 TTTGTGGCTGAAAACCTACTGGAGTGCCAGGTGGCTGAGGTTGGCACTGGAGCTCAGAGGATGGTATATC
 TCAATGCTAGGAGCTTCTGGGAGCCAGGTCCAGGCACAAAGTCCTAATGATGGTCTGGATTTCCAGGA
 CAACCCGGTAGTGAGTAAGCTTGTAGAGCCCCCACGGGTGTCATGGAAGTGTGGTTGCCTTCCACAAC
 CCCATCTAAGCCACATGCCTTAGACACATGGCTTCTTTATACACCCCTACAGACTCCAGGAATAGAA
 CCAACCTGGGTGTGTACCTAAACCAGATGCCACTAGATCCACAGCCTGGTCAGAGCCCACCTGCTGGC
 CATGGGCATCTGTGCTACTCAGACTTACAGAACATGGGCAAGGCCCTGATGGCTCCCCACAGTTTGGG
 TGTCTGTATGAATCAGGTAACATGAAGAGATCATTTTCTCATATTCACCCTGAAGCAAGCTTTCCCA
 CTGTATTTGATGCCAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_015750
Insert Size:	1140 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:	<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_015750.3 , NP_056565.1
RefSeq Size:	1588 bp
RefSeq ORF:	1140 bp
Locus ID:	23956
UniProt ID:	Q9JMH3
Cytogenetics:	1 D
Gene Summary:	<p>Catalyzes the removal of sialic acid (N-acetylneuraminic acid) moities from glycoproteins, oligosaccharides and gangliosides.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (4) differs in the 5' UTR and 5' coding region but maintains the reading frame, compared to variant 1. The resulting protein (isoform 4) contains a shorter N-terminus, compared to isoform 1. 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.</p>