

Product datasheet for **MC209685**

Neu2 (NM_001160165) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Neu2 (NM_001160165) 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:	>MC209685 representing NM_001160165 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGATCTCAGGCCATGGCGACCTGCCCTGTCTGCAGAAGGAGACTGTTCCGCACAGGCGTCC
ATGCTTACAGAATCCCTGCTCTGCTCTACCTGAAGAAGCAGAAGACCCTGCTGGCCTTTGCGAAAAAGCG
AGCCAGCAAGACGGATGAGCACGCAGAGTTGATTGTCTGAGAAGAGGAAGCTACAACGAAGCCACCAAC
CGTGTCAAGTGGCAGCCTGAGGAAGTGGTGACCCAAGCCAGCTGGAAGGCCACCGCTCCATGAATCCAT
GTCCTTTGTATGACAAGCAAACAAGACCCTCTCCTTTTCTTCATCGCTGTCCCTGGGCGTGTATCAGA
ACATCATCAGCTCCACACTAAGGTTAATGTCACACGGCTGTGCTGTGTCAGCAGCACTGACCATGGGAGG
ACCTGGAGCCCCATCCAGGACCTCACAGAGACCACCTATTGGCAGCACTCATCAGGAATGGGCCACATTTG
CTGTGGGTCTGGGCATTGTCTGCAGCTGCGGAACCCAGCTGGGAGCCTGCTGGTACCTGCTTATGCCTA
CCGAAACTGCACCCTGCTCAGAAGCCTACCCCTTTGCCTTCTGCTTCATCAGCCTTGACCATGGGCAC
ACATGGAACTAGGCAACTTTGTGGCTGAAAACCTCACTGGAGTGCCAGGTGGCTGAGTTGGCACTGGAG
CTCAGAGGATGGTATATCTCAATGCTAGGAGCTTCTGGGAGCCAGGGTCCAGGCACAAAGTCTAATGA
TGGTCTGGATTTCCAGGACAACCGGGTAGTGAGTAAGCTTGTAGAGCCCCCACGGGTGTCATGGAAGT
GTGGTTGCCTTCCACAACCCATCTCTAAGCCACATGCCTTAGACACATGGCTTCTTTATACACACCCTA
CAGACTCCAGGAATAGAACCAACCTGGGTGTGTACCTAAACCAGATGCCACTAGATCCCACAGCCTGGTC
AGAGCCCACCCTGCTGGCCATGGGCATCTGTGCCTACTCAGACTTACAGAACATGGGGCAAGGCCCTGAT
GGCTCCCCACAGTTTGGGTGTCTGTATGAATCAGGTAACATGAAGAGATCATTTTCTCATATTACCC
TGAAGCAAGCTTTCCCACTGTATTTGATGCCAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Chromatograms:	https://cdn.origene.com/chromatograms/ja3299_h06.zip
Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001160165
Insert Size:	1158 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_001160165.1 , NP_001153637.1
RefSeq Size:	1748 bp
RefSeq ORF:	1158 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 (3) differs in the 5' UTR and 5' coding region but maintains the reading frame, compared to variant 1. The resulting protein (isoform 3) contains a shorter and distinct 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>