

Product datasheet for **MC209684**

Neu2 (NM_001160164) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Neu2 (NM_001160164) 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:	>MC209684 representing NM_001160164 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGACCTGCCCTGTCTGCAGAAGGAGACTGTTCCGCACAGGCGTCCATGCTTACAGAATCCCTG
CTCTGCTCTACCTGAAGAAGCAGAAGACCCTGTGGCCTTTGCGGAAAAGCGAGCCAGCAAGACGGATGA
GCACGCAGAGTTGATTGTCTGAGAAGAGGAAGCTACAACGAAGCCACCAACCGTGTCAAGTGGCAGCCT
GAGGAAGTGGTGACCCAAGCCCAGCTGGAAGGCCACCGCTCCATGAATCCATGTCCCTTGTATGACAAGC
AAACAAAGACCCTCTTCTTTTTCATCGCTGTCCCTGGGCGTGTATCAGAACATCATCAGCTCCACAC
TAAGGTTAATGTACACGGCTGTGCTGTGTGAGCAGCACTGACCATGGGAGGACCTGGAGCCCCATCCAG
GACCTCACAGAGACCACATTGGCAGCACTCATCAGGAATGGGCCACATTTGCTGTGGGTCTGGGCATT
GTCTGCAGCTGCGGAACCCAGCTGGGAGCCTGCTGGTACCTGCTTATGCCTACCGGAAATGCACCCCTGC
TCAGAAGCCTACCCCTTTGCCCTTCTGCTTATCAGCCTTGACCATGGGCACACATGGAACTAGGCAAC
TTTGTGGCTGAAAACCTACTGGAGTGCCAGGTGGCTGAGGTTGGCACTGGAGCTCAGAGGATGGTATATC
TCAATGCTAGGAGCTTCTGGGAGCCAGGTCCAGGCACAAAGTCCTAATGATGGTCTGGATTTCCAGGA
CAACCCGGTAGTGAGTAAGCTTGTAGAGCCCCCACGGGTGTCATGGAAGTGTGGTTGCCTTCCACAAC
CCCATCTAAGCCACATGCCTTAGACACATGGCTTCTTTATACACACCCTACAGACTCCAGGAATAGAA
CCAACCTGGGTGTGTACCTAAACCAGATGCCACTAGATCCACAGCCTGGTCAGAGCCCACCCCTGCTGGC
CATGGGCATCTGTGCTACTCAGACTTACAGAACATGGGCAAGGCCCTGATGGCTCCCCACAGTTTGGG
TGTCTGTATGAATCAGGTAACATGAAGAGATCATTTTCTCATATTCACCCTGAAGCAAGCTTTCCCA
CTGTATTTGATGCCAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Chromatograms:	https://cdn.origene.com/chromatograms/ja3326_a05.zip
Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001160164
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:	BC105661 , AAI05662
RefSeq Size:	1620 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 (2) lacks an alternate in-frame exon in the 5' coding region and uses a downstream start codon compared to variant 1. Isoform 2 has 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>