

## Product datasheet for MC200191

### Neu1 (BC004666) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Neu1 (BC004666) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Neu1  
**Synonyms:** AA407268; AA407316; Aglp; Apl; Bat-7; Bat7; G9; Map-2; Neu; Neu-1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC004666  
 AGTTCCTGGACAGGGATCGCCGGGAGCTATGGTGGGGCAGACCCGACCAGACCCCGGGGACCGCTGAGC  
 TATTGGCGGGCGTCGGGGTCAGGGGCTCGCAGCGATCTTCTGCTCCTGGTGTCCGCGCGGAATCCG  
 AGGCCAGGGCAGAGGATGACTTCAGCCTGGTGCAGCCGCTGGTGACCATGGAGCAGCTGCTGTGGGTGAG  
 CGGAAGCAGATCGGCTCTGTAGACACTTCCGCATCCCCTCATCACAGCCACCCTCGGGGCACGCTC  
 CTGGCCTTCGCTGAGGCCAGAAAAATCTGCATCCGATGAGGGGGCCAAGTTCATCGCCATGAGGAGGT  
 CCACGGACCAGGGTAGCACGTGGTCTCTACAGCCTTCATCGTAGACGATGGGGAGGCTCCGATGGCCT  
 GAACCTGGGCGCTGTGGTGAACGATGTAGACACAGGGATAGTGTTCCTTATCTATACCCTCTGTGCTCAC  
 AAGGTCAACTGCCAGGTGGCCTTACCATGTTGGTTTGGAGTAAGGACGACGGCATTTCCTGGAGCCAC  
 CCCGGAATCTCTGTGGATATTGGCACAGAGATGTTTCCCCTGGACCTGGCTCAGGCATTAGAAACA  
 GCGGGAGCCTGGGAAGGGCCGGCTCATTGTGTGTGGACACGGGACGCTGGAGCGAGATGGGGTCTTCTGT  
 CTCTCAGTGATGACCACGGTGCCTCCTGGCACTACGGCACTGGAGTGAGCGGCATTCCCTTTGGCCAGC  
 CCAAACACGATACGATTTCAACCCCGACGAGTGCCAGCCCTACGAGCTTCCAGATGGCTCGGTCATCAT  
 CAACGCCCCGAACCAGAAATAACTACCATGCCCCTGCAGGATCGTCTCCGACGATGACGCCTGTGAC  
 ACCCTCAGGCCCGGGATGTGACCTTCGACCTGAGCTCGTGGACCTGTGGTAGCTGCAGGAGCACTAG  
 CCACCAGCTCCGGCATTGTCTTCTTCCAATCCAGCCCACCCTGAGTCCGAGTGAACCTGACCCTGGC  
 CTGGAGTTTCAGCAATGGTACATCCTGGCTGAAGGAGAGGGTCCAGGTGTGGCCGGGACCCAGCGGCTAC  
 TCGTCCCTGACAGCCCTGAAAAACAGCAGGATGAAAAGAAGCAGCCCCCGCAGCTGTTCTGTACG  
 AGAAAGGCTGAACCGGTACACCGAGAGCATCTCCATGGTCAAAATCAGCGTCTACGGCAGCTCTGAGC  
 CCGTGCCCAAAGGACACCAAGTCTGGTCTGACTTACAGCTCTCTGGACCATCTGCAGAGGGTGCC  
 TGAACACAGCTTCTCTGAACTCTGACCTTTTGAACCTTCTCATCAACAGGGAAGTCTCTTCGTTAT  
 GACTTAACACCCAGCTTCTCTCGGGCAGGAAGTCCCTCCGTCACCAAGAGCACTTTTTCCAGTATGC  
 TGGGGATGGCCCCTGTCCATTCTTCCAGGACAACGGAGCTGTGCCTTTCTGGGACAGGATGGGGGAGG  
 GGCTCCCCCTGGAGAGATGAACAGATACGAACTCAGGGAAGTGAAGGCCCGGTGCTCCTAGGGTACAAA  
 GGCAGGTACTAGATGTGATTGCTGAAAGTCCCCAGGGCAGAGTGTCTTTAGAGCAAGGATAAGCACAC  
 CTACGTGTGCACCTTTGATTATTTATGAATCGAAATATTTGTAACCTAAAATTTTATGATGCAGAAAAAA AAAAAAA



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<b>Restriction Sites:</b>	RsrII-NotI
<b>ACCN:</b>	BC004666
<b>Insert Size:</b>	1230 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">BC004666</a></u> , <u><a href="#">AAH04666</a></u>
<b>RefSeq Size:</b>	1758 bp
<b>RefSeq ORF:</b>	1230 bp
<b>Locus ID:</b>	18010
<b>Cytogenetics:</b>	17 18.48 cM
<b>Gene Summary:</b>	Catalyzes the removal of sialic acid (N-acetylneuraminic acid) moities from glycoproteins and glycolipids. To be active, it is strictly dependent on its presence in the multienzyme complex. Appears to have a preference for alpha 2-3 and alpha 2-6 sialyl linkage.[UniProtKB/Swiss-Prot Function]