

Product datasheet for **RN202984**

Neu2 (NM_017130) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Neu2 (NM_017130) Rat Untagged Clone
Tag: Tag Free
Symbol: Neu2
Synonyms: MGC108717
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN202984 representing NM_017130
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAGACCTGCCCGTCTCCAGAAAGAGACGCTGTTCCACACAGAAGTCTATGCTTACAGAATCCCTG
CTCTGCTCTACCTGAAGAAGCAGAAGACCTGCTGGCCTTTCAGAAAAGCGAGCCAGCAGGACGGATGA
GCATGCTGAGTTGATTGTCTGCGAAGAGGGAGCTACAATGGAGCCACCAACCATGTCAAGTGGCAACCT
GAGGAAGTGGTGACCCAAGCCCAGCTGGAGGGCCACCGCTCCATGAATCCATGTCCCTTGTATGACAAGC
AAACAAAGACCCCTCTTCCTTTTCTTATTGCTGTCCCTGGGCGTGTATCAGAACAGCATCAGCTCCAAAC
TAGGGTTAATGTCACACGGCTATGCCGTGTACCAGCACCATTATGGGATGAACTGGAGCCCGTCCAG
GACCTCACAGAGACCACATTGGCAGCACCACCAGGACTGGGCCACATTTGCTGTGGGTCCAGGGCACT
GTCTGCAGCTGCGGAACAGAGCTGGGAGCCTGCTGGTACCTGCTTATGCCTACCAGAAGCTGCACCCCTGT
CCATAAACCTACCCCTTTGCCCTTCTGCTTCATCAGCCTTGACCACGGGCACACGTGGGAACTAGGGAAC
TTTGTGCTGAGAAGTCACTGGAGTGTGAGGTGGCTGAGGTTGGCACTGGTGTCTCATAGGTTGGTATATC
TCAATGCTAGGAGCTTCATAGGAGCTAGAGTCCAGGCACAAAGTCTTAACGATGGCCTGGATTCCAGGA
CAACCAGGTAGTAAGTAAGCTTGTAGAGCCCCCACGGGTGTCATGGAAGTGTGGTGCCTTCCACAGC
CCCACCTTAAGCCAGATGCCTTAGACATGTGGCTGCTTTATACCCACCTACGGACTCCAGGAATAGAA
CCAACCTGGGCGTGTACCTCAACCAGACGCCACTAGATCCACAGCCTGGTCCAGAGCCACCCTGTAGC
CACGGGCACCTGTGCCTACTCAGACTTGCAGAATATGGGGCGTGGCCCTGATGGTCCCCACAGTTTGGG
TGCCTGTATGAATCAGGTAAGTATGACGAGATCATTTTCTCATGTTACCCTGAAGCAAGCTTTTCCCA
CAGTACATGGTGTCTCAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_017130
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:	<u>NM_017130.2</u> , <u>NP_058826.2</u>
RefSeq Size:	1693 bp
RefSeq ORF:	1140 bp
Locus ID:	29204
Cytogenetics:	9q35
Gene Summary:	cytosolic enzyme that cleaves sialic acid; involved in the degradation of glycolipids and glycoproteins [RGD, Feb 2006]