

Product datasheet for **SC303632**

NEU2 (NM_005383) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: NEU2 (NM_005383) Human Untagged Clone
Tag: Tag Free
Symbol: NEU2
Synonyms: SIAL2
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_005383 edited
 ATGGCGTCCCTTCTGTCCTGCAGAAGGAGAGCGTGTTCAGTCGGGAGCCCATGCCTAC
 AGAATCCCTGCCCTGCTCTACCTGCCTGGGCAGCAGTCCCTGCTGGCCTTCGCGGAACAG
 CGGGCAAGCAAGAAGGATGAGCACGCAGAGCTGATTGTCCTGCGCAGAGGAGACTACGAC
 GCACCCACCCACCAAGTTTCAGTGCAAGCTCAGGAGGTGGTGGCCAGGCCCGGCTGGAT
 GGCCACCGGTCCATGAACCCATGCCCTTGTATGACGCGCAGACGGGACCCTCTTCTC
 TTCTTCATTGCCATCCCTGGGCAAGTCACGGAGCAACAGCAGCTGCAGACCAGGGCCAAT
 GTGACGCGGCTGTGCAAGTCACCAGCACTGACCACGGGAGGACCTGGAGCTCCCCCAGA
 GACCTCACTGATGCGGCCATCGGCCAGCCTACCGGGAGTGGTCCACCTTTCAGTGGGC
 CCGGGGCATTGTTTGCAGCTAACGACAGGGCCCGGAGCCTGGTGGTGGCCGCTACGCC
 TACCGGAACTTCACCCATCCAAGGCCGATCCCTCTGCCTTCTGCTTCTCAGCCAT
 GACCATGGGCGCACGTGGGCGCAGGGCACTTTGTGGCCAGGACACCCTGGAGTGCCAG
 GTGGCCGAAGTCGAGACTGGGGAGCAGAGGGTGGTACCCTCAACGCGAGAAGCCACCTC
 CGAGCCAGGGTCCAGGCCAGAGCACCATGACGGGCTTGATTTCCAGGAGTCTCAGCTG
 GTGAAGAAGCTGGTGGAGCCGCCAGGGCTGCCAGGGGAGCGTCATCAGCTTCCCC
 AGCCCCGCTCGGGGCTGGTCCCCAGCCAGTGGTGTCTACTACCCACACAC
 TCCTGGCAGAGGGCCGACCTGGGTGCCTACCTCAACCCGCGACCTCCAGCCCCTGAGGCC
 TGGTCAGAGCCGGTACTGCTGGCCAAGGGCAGCTGTGCCTACTCAGACCTCCAGAGCATG
 GGCACCGGCCCTGATGGGTCCCCCTTGTGGGTGTCTGTACGAAGCCAATGATTACGAG
 GAGATTGCTTTCTCATGTTACCCCTGAAGCAAGCCTTCCAGCTGAGTACCTGCCTCAG
 TGA

Restriction Sites: Please inquire
ACCN: NM_005383



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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).
OTI Annotation:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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_005383.1 , NP_005374.1
RefSeq Size:	1143 bp
RefSeq ORF:	1143 bp
Locus ID:	4759
UniProt ID:	Q9Y3R4
Cytogenetics:	2q37.1
Protein Pathways:	Other glycan degradation, Sphingolipid metabolism
Gene Summary:	This gene belongs to a family of glycohydrolytic enzymes which remove sialic acid residues from glycoproteins and glycolipids. Expression studies in COS7 cells confirmed that this gene encodes a functional sialidase. Its cytosolic localization was demonstrated by cell fractionation experiments. [provided by RefSeq, Jul 2008]