

Product datasheet for **TP316537M**

Sialidase 3 (NEU3) (NM_006656) Human Recombinant Protein

Product data:

| | |
|---------------------------------------|--|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human sialidase 3 (membrane sialidase) (NEU3), 100 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC216537 representing NM_006656 Red =Cloning site Green =Tags(s) |
| | MRPADLPPRPMEESPASSAPTETEEPGSSAEVMEEVTTCSFNSPLFRQEDDRGITYRIPALLYIPPTHT FLAFAEKRRRDEDALHLVLRRLRIGQLVQWGPLKPLMEATLPGHRTMNPVWEQKSGCVFLFFICV RGHVTERQQIVSGRNAARLCFIYSQDAGCSWSEVRDLTEEVIGSELKHWATFAVGPGHGILQSQSRLVIP AYYYIPSWFFCFQLPCKTRPHSLMIYSDDLGVTWHHGRLLRPMVTVECEVAEVTGRAGHPVLYCSARTP NRCRAEALSTDHGEFGQLALSRQLCEPPHGCQGSVVSFRPLEIPHRCQDSSSKDAPTIQSSPGSSRLRL EEEAGTPSESWLLYSHPTSRLKQVRDLGIYLNQTPLEAACWSRPWILHCGPCGYSDLAALEEEGLFGCLFE CGTKQECEQIAFRLFTHREILSHLQGDCTSPGRNPSQFKSN TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| Tag: | C-Myc/DDK |
| Predicted MW: | 51.5 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Bioactivity: | Cell treatment (PMID: 29118338) |
| Preparation: | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |



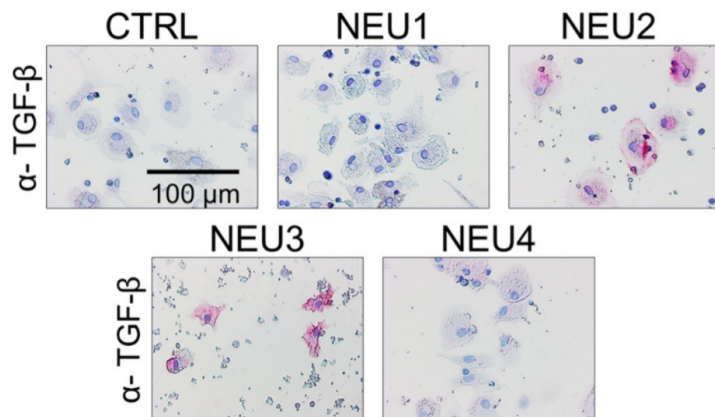
[View online »](#)

RefSeq: [NP_006647](#)
Locus ID: 10825
UniProt ID: [Q9UQ49](#), [A0A024R5N6](#)
RefSeq Size: 2748
Cytogenetics: 11q13.4
RefSeq ORF: 1383
Synonyms: SIAL3

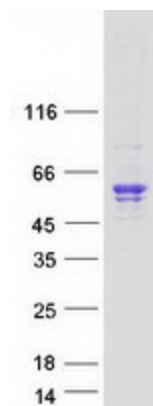
Summary: This gene product belongs to a family of glycohydrolytic enzymes which remove sialic acid residues from glycoproteins and glycolipids. It is localized in the plasma membrane, and its activity is specific for gangliosides. It may play a role in modulating the ganglioside content of the lipid bilayer. [provided by RefSeq, Jul 2008]

Protein Pathways: Other glycan degradation, Sphingolipid metabolism

Product images:



NEU2 and NEU3 upregulate TGF-beta1 by PBMC. Human PBMC were incubated with or without recombinant human sialidases, NEU1 (OriGene [TP300386]), NEU2 (OriGene [TP319858]), NEU3 (OriGene [TP316537]), NEU4 (OriGene [TP303948]) for five days, then air-dried and stained for TGF-beta1. Positive staining appears pink, and counterstaining is blue. Bar is 0.1 mm. Figure cited from Sci Rep, PMID: 29118338



Coomassie blue staining of purified NEU3 protein (Cat# [TP316537]). The protein was produced from HEK293T cells transfected with NEU3 cDNA clone (Cat# [RC216537]) using MegaTran 2.0 (Cat# [TT210002]).