

Product datasheet for TP316537

Sialidase 3 (NEU3) (NM_006656) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human sialidase 3 (membrane sialidase) (NEU3), 20 µg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >RC216537 representing NM_006656
Red=Cloning site Green=Tags(s)

MRPADLPPRPMEESPASSAPTETEEPGSSAEVMEEVTTCSFNSPLFRQEDDRGITYRIPALLYIPPTHT
 FLAFAEKRSTRRDEDALHLVLRRLRIGQLVQWGPKPLMEATLPGHRTMNPVWEQKSGCVLFFICV
 RGHVTERQQIVSGRNAARLCFIYSQDAGCSWSEVRDLTEEVIGSELKHWFATFVGPVGHGILQSGRLVIP
 AYTYIIPSWFFCFQLPCKTRPHSLMIYSDDLGVTVHHLRIRPMVTEVEVAEVTGRAGHPVLYCSARTP
 NRCRAEALSTDHGEFQRLALSRLCEPPHGCQGSVVSFRPLEIPHRCQDSSSKDAPTIQQSSPGSSLRL
 EEEAGTPSESWLLYSHPTSRLKQVRVDLGIYLNQTPLEAACWSRPWILHCGPCGYSDLAALAEGLFGCLFE
 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.



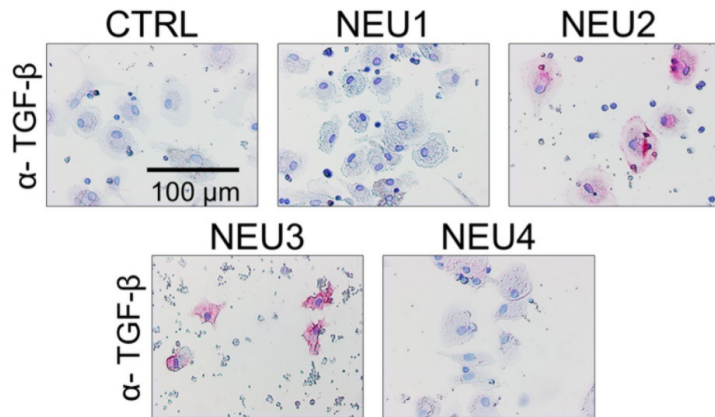
[View online »](#)

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

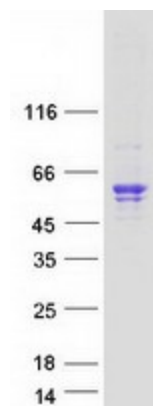
Summary: This gene product belongs to a family of glycohydrolytic enzymes which remove sialic acid residues from glycoproteins and glycolipids. It is localized in the plasma membrane, and its activity is specific for gangliosides. It may play a role in modulating the ganglioside content of the lipid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