

## Product datasheet for **TP316537L**

### Sialidase 3 (NEU3) (NM\_006656) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human sialidase 3 (membrane sialidase) (NEU3), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC216537 representing NM_006656 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MRPADLPPRPMEEESPASSAPTETEEPGSSAEVMEEVTTCSFNSPLFRQEDDRGITYRIPALLYIPPTHT  
FLAFAEKRRRDEDALHLVLRRLRIGQLVQWGPLKPLMEATLPGHRTMNPVWEQKSGCVFLFFICV  
RGHVTERQQIVSGRNAARLCFIYSQDAGCSWSEVRDLTEEVIGSELKHWATFAVGPGHGILQSQSRLVIP  
AYYYIPSWFFCFQLPCKTRPHSLMIYSDDLGVTWHHGRLLRPMVTVECEVAEVTGRAGHPVLYCSARTP  
NRCRAEALSTDHGEQFRLALSRLCEPPHGCQGSVVSFRPLEIPHRCQDSSSKDAPTIQSSPGSSLRL  
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: <a href="#">29118338</a> )
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.



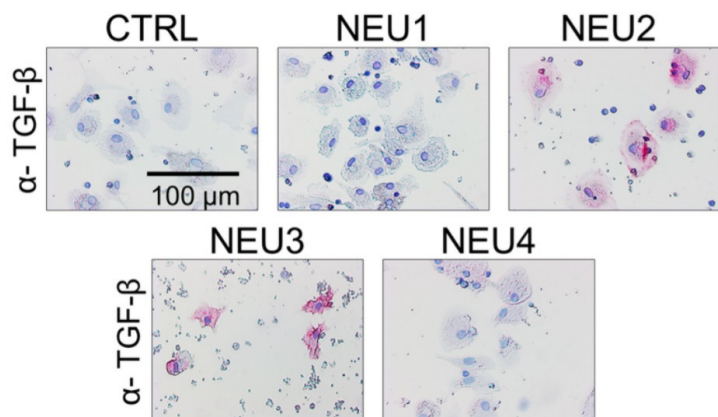
[View online »](#)

**RefSeq:** [NP\\_006647](#)  
**Locus ID:** 10825  
**UniProt ID:** [Q9UQ49](#), [A0A024R5N6](#)  
**RefSeq Size:** 2748  
**Cytogenetics:** 11q13.4  
**RefSeq ORF:** 1383  
**Synonyms:** SIAL3

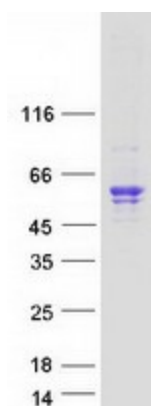
**Summary:** This gene product belongs to a family of glycohydrolytic enzymes which remove sialic acid residues from glycoproteins and glycolipids. It is localized in the plasma membrane, and its activity is specific for gangliosides. It may play a role in modulating the ganglioside content of the lipid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