

## Product datasheet for **TP303948L**

### NEU4 (NM\_080741) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human sialidase 4 (NEU4), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203948 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MMSSAAFPRWLSMGVPRTPSRTVLFERERTGLTYRVPSLLPVPPGPTLLAFVEQRLSPDDSHAHRLVLR  
GTLAGGSVRWGALHVLGTAALAEHRSMNPCVHDAGTGTVFLFFIAVLGHTPEAVQIATGRNAARLCCVA  
SRDAGLSWGSARDLTEEAIGGAVQDWATFAVGPGHGVQLPSGRLLVPAYTYRVDRECFGKICRTSPHSF  
AFYSDDHGRTWRCGGLVPLNRSGECQLAAVDGGQAGSFLYCNARSPLGSRVQALSTDEGTSFLPAERVAS  
LPETAWGCQGSIVGFPAPAPNRPRDDSWSVGPGSPLQPPLLGPVHEPPEEAAVDPRGGQVPGGPFPSRLQ  
PRGDGPRQPGPRPGVSGDVGSWTLALPMPFAAPPQSPTWLLYSHPVGRRARLHMGIRLSQSPLDPRSWTE  
PWVIYEGPSGYSDLASIGPAPEGGLVFACLYESGARTSYDEISFCTFSLREVLENVPASPKPPNLGDKPR  
GCCWPS

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	52.8 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.



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**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_542779](#)

**Locus ID:** 129807

**UniProt ID:** [Q8WWR8](#), [Q3KR05](#)

**RefSeq Size:** 2373

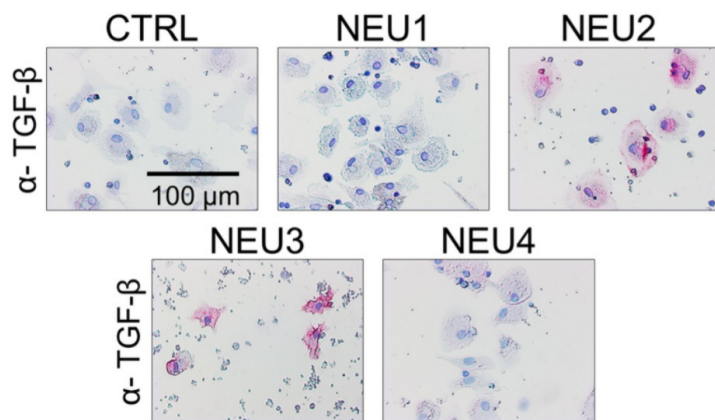
**Cytogenetics:** 2q37.3

**RefSeq ORF:** 1488

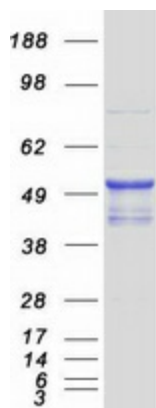
**Summary:** The protein encoded by this gene belongs to a family of glycohydrolytic enzymes, which remove terminal sialic acid residues from various sialo derivatives, such as glycoproteins, glycolipids, oligosaccharides, and gangliosides. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq, Nov 2009]

**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 NEU4 protein (Cat# [TP303948]). The protein was produced from HEK293T cells transfected with NEU4 cDNA clone (Cat# [RC203948]) using MegaTran 2.0 (Cat# [TT210002]).