

Product datasheet for **TP303948M**

NEU4 (NM_080741) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human sialidase 4 (NEU4), 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC203948 protein sequence
Red=Cloning site **Green**=Tags(s)

MMSSAAFPRWLSMGVPRTPSRTVLFERERTGLTYRVPSLLPVPPGPTLLAFVEQRLSPDDSHAHRLVLR
GTLAGGSVRWGALHVLGTAALAEHRSMNPCVHDAGTGTVFLFFIAVLGHTPEAVQIATGRNAARLCCVA
SRDAGLSWGSARDLTEEAIGGAVQDWATFAVGPGHGVQLPSGRLLVPAYTYRVDRECFGKICRTSPHSF
AFYSDDHGRTWRCGGLVPLNLRSGECQLAAVDGGQAGSFLYCNARSPLGSRVQALSTDEGTSFLPAERVAS
LPETAWGCQGSIVGFPAPAPNRPDDSWSVGPGSPLQPPLLPGVHEPPEEAAVDPRGGQVPGGPF SRLQ
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: [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.



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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

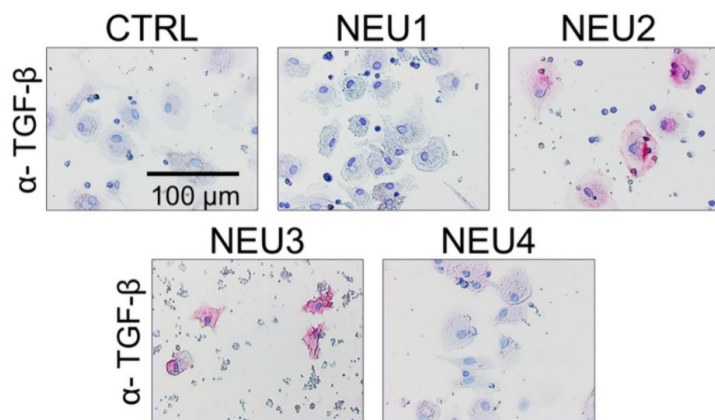
Cytogenetics: 2q37.3

RefSeq ORF: 1488

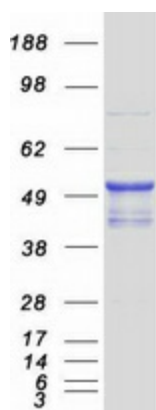
Summary: The protein encoded by this gene belongs to a family of glycohydrolytic enzymes, which remove terminal sialic acid residues from various sialo derivatives, such as glycoproteins, glycolipids, oligosaccharides, and gangliosides. Alternatively spliced transcript variants encoding different isoforms 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]).