

Active Recombinant Full Length Human NEU4 Protein, C-Flag-tagged

Cat. No. NEU4-129HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human NEU4 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Bio-activity	Cell treatment
Molecular Mass	52.8 kDa
AA Sequence	MMSSAAFPRWLSMGVPRTPSRTVLFERERTGLTYRVPSLLPVPPGPTLLAFVEQRL SPDDSHAHRLVLRRL GTLAGGSVRWGALHVLGTAALAEHRSMNPCPVHDAGTGT FLFFIAVLGHTPEAVQIATGRNAARLCCVA SRDAGLSWGSARDLTEEAIGGAVQDW ATFAVGPGHGVQLPSGRLLVPAYTYRVDRRECFGKICRTSPHSF AFYSDDHGRTW RCGGLVPNLRSGECQLAAVDGGQAGSFLYCNARSPLGSRVQALSTDEGTSFLPAE RVAS LPETAWGCQGSIVGFAPAPAPNRPRDDSWSVGPGSPLQPPLLPGVHEPPEE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

AAVDPRGGQVPGGPFSRLQ PRGDGPRQPGPRPGVSGDVGSWTLALPMPFAAPP
 QSPTWLLYSHPVGRRARLHMGIRLSQSPLDPRSWTE PWVIYEGPSGYSDLASIGPA
 PEGGLVFACLYESGARTSYDEISFCTFSLREVLENVPASPKPPNLGDKPR
 GCCWPSTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Pathways	Other glycan degradation, Sphingolipid metabolism
Full Length	Full L.

GENE INFORMATION

Gene Name	NEU4 neuraminidase 4 [Homo sapiens (human)]
Official Symbol	NEU4
Synonyms	FLJ35928; MGC18222; MGC102757
Gene ID	129807

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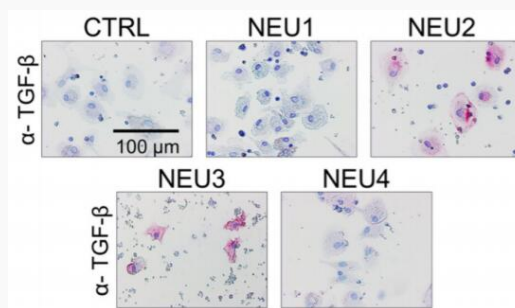
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mRNA Refseq [NM_080741.4](#)

Protein Refseq [NP_542779.2](#)

MIM [608527](#)

UniProt ID [Q8WWR8](#)

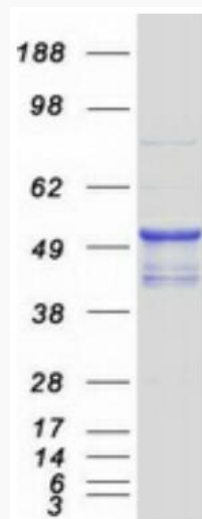


NEU2 and NEU3 upregulate TGF-beta1 by PBMC. Human PBMC were incubated with or without recombinant human sialidases, NEU1, NEU2, NEU3, NEU4 for five days, then air-dried and stained for TGF beta1. Positive staining appears pink, and counterstaining is blue.

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Coomassie blue staining of purified NEU4 protein.

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