

Product datasheet for PH303948

NEU4 (NM_080741) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NEU4 MS Standard C13 and N15-labeled recombinant protein (NP_542779)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203948
Predicted MW:	52.9 kDa
Protein Sequence:	>RC203948 protein sequence Red=Cloning site Green=Tags(s)

MMSSAAFPRWLSMGVPRTPSRTVLFERERTGLTYRVPSLLPVPPGPTLLAFVEQRLSPDDSHAHRLVLR
GTLAGGSVRWGLHVLGTAALAEHRSMNCPVHDAGTGTVFLFFIAVLGHTPEAVQIATGRNAARLCCVA
SRDAGLSWGSARDLTEEAIGGAVQDWATFAVGPGHGVQLPSGRLLVPAYTYRVDRECFGKICRTSPHSF
AFYSDDHGRTWRCGGLVPNLRSGECQLAAVDGGQAGSFLYCNARSPLGSRVQALSTDEGTSFLPAERVA
LPETAWGCQGSIVGFAPAPNRPRDDSWVSGPGSPLQPPLLGPGVHEPPEAAVDPRGGQVPGGPF SRLQ
PRGDGPRQPGPRPGVSGDVGSWTLALPMPFAAPPQSPTWLLYSHPVGRRARLHMGIRLSQSPLDPRSWE
PWVIYEGPSGYSDLASIGPAPEGGLVFACLYESGARTSYDEISFCTFSLRELVNPASPKPPNLGDKPR
GCCWPS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_542779</u>
RefSeq Size:	2373
RefSeq ORF:	1488



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Locus ID: 129807

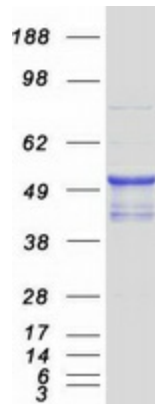
UniProt ID: [Q8WWR8](#), [Q3KR05](#)

Cytogenetics: 2q37.3

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:



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]).