

Product datasheet for PH316537

Sialidase 3 (NEU3) (NM_006656) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NEU3 MS Standard C13 and N15-labeled recombinant protein (NP_006647)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC216537
Predicted MW:	52.1 kDa
Protein Sequence:	>RC216537 representing NM_006656 Red=Cloning site Green=Tags(s)

MRPADLPPRPMEESSPASSAPTETEETEEPGSSAEVMEEVTTCSFNPLFRQEDDRGITYRIPALLYIPPTHT
FLAFAEKRSTRRDEDALHLVLRRLRIGQLVQWGPLKPLMEATLPGHRTMNPVWEQKSGCVLFFICV
RGHVTERQQIVSGRNAARLCFIYSQDAGCSWSEVRDLTEEVIGSELKHWATFVAVGPGHGIQLQSGRLVIP
AYTTYIPSWFFCFQLPCKTRPHSLMIYSDDLGVTHHGRILRPMVTVECEVAEVTGRAGHPVLYCSARTP
NRCRAEALSTDHGEGFQRLALSRQLCEPPHGCQGSVVSFRPLEIPHRCDSSSKDAPTIQSSPGSSRLR
EEEAGTPSESWLLYSHPTSRKQRVDLGIYLNQTPLEAACWSRPWILHCGPCGYSDLAALEEEGLFGCLFE
CGTKQECEQIAFRLFTHREILSHLQGDCTSPGRNPSQFKSN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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_006647</u>
RefSeq Size:	2748
RefSeq ORF:	1383
Synonyms:	SIAL3



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Locus ID: 10825

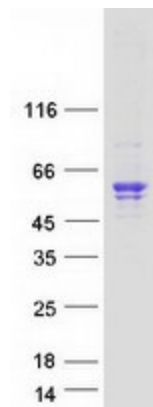
UniProt ID: [Q9UQ49](#), [A0A024R5N6](#)

Cytogenetics: 11q13.4

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:



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]).