

Product datasheet for PH314546

NPL (NM_030769) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NPL MS Standard C13 and N15-labeled recombinant protein (NP_110396)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC214546
Predicted MW:	35.2 kDa
Protein Sequence:	>RC214546 protein sequence Red=Cloning site Green=Tags(s)
	MAFPKKKLQGLVAATITPMTENGEINFSVIGQYVDYLVKEQGVKNIFVNGTTGEGLSLSVSERRQVAEEW VTKGKDKLDQVIIHVGALSLKESQELAQAHAEEIGADGIAVIAPFFLKPWTKDILINFLKEVAAAAPALPF YYYHIPALTGVKIRAEELLDGILDKIPTFQGLKFSDTDLLDFGQCVDQNRQQQFAFLFGVDEQLLSALVM GATGAVGSTYNYLGKKTNQMLEAFEQKDFSLALNYQFCIQRFINFVVKLGFVGSQTKAIMTLVSGIPMGP PRLPLQKASREFTDSAEAKLKSDFLSFTDLKDG NLEAGS
	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:	NP_110396
RefSeq Size:	2867
RefSeq ORF:	960
Synonyms:	C1orf13; C112; NAL; NPL1
Locus ID:	80896



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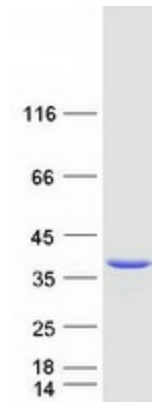
UniProt ID: [Q9BXD5](#)

Cytogenetics: 1q25.3

Summary: This gene encodes a member of the N-acetylneuraminase lyase sub-family of (beta/alpha)(8)-barrel enzymes. N-acetylneuraminase lyases regulate cellular concentrations of N-acetylneuraminic acid (sialic acid) by mediating the reversible conversion of sialic acid into N-acetylmannosamine and pyruvate. A pseudogene of this gene is located on the short arm of chromosome 2. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jan 2011]

Protein Pathways: Amino sugar and nucleotide sugar metabolism

Product images:



Coomassie blue staining of purified NPL protein (Cat# [TP314546]). The protein was produced from HEK293T cells transfected with NPL cDNA clone (Cat# [RC214546]) using MegaTran 2.0 (Cat# [TT210002]).