

Recombinant Human NPL Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NPL-4467H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NPL MS Standard C13 and N15-labeled recombinant protein (NP_110396) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the N-acetylneuraminate lyase sub-family of (beta/alpha)(8)-barrel enzymes. N-acetylneuraminate lyases regulate cellular concentrations of N-acetyl-neuraminic 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.
Molecular Mass	35.2 kDa
AA Sequence	MAFPKKKLQGLVAATITPMTENGEINFSVIGQYVDYLVKEQGVKNIFVNGTTGEGLSL SVSERRQVAEEWVTGKDKLDQVIHVGALS LKESQELAQAHAEEIGADGIAVIAPFFL KPWTKDILINFLKEVAAAAPALPFYYYHIPALTGVKIRAEELLDGILDKIPTFQGLKFSD TDLLDFGQCVDQNRQQQFAFLFGVDEQLLSALVMGATGAVGSTYNYLGKKTNQML EAFEQKDFSLALNYQFCIQRFINVVKLFGVVSQTKAIMTLVSGIPMGPPRLPLQKAS REFTDSAEAKLKSLDFLSFTDLKDG NLEAGSTRTRPLEQKLISEEDLAANDILDYKDD DDKV

 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

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	NPL N-acetylneuraminate pyruvate lyase [Homo sapiens (human)]
Official Symbol	NPL
Synonyms	NPL; N-acetylneuraminate pyruvate lyase (dihydrodipicolinate synthase); C1orf13, chromosome 1 open reading frame 13; N-acetylneuraminate lyase; DHGPS1; dihydrodipicolinate synthetase homolog 1 (E. coli); NPL1; NALase; sialic acid aldolase; sialate-pyruvate lyase; N-acetylneuraminic acid aldolase; dihydrodipicolinate synthetase homolog 1; NAL; C112; C1orf13; MGC61869; MGC149582;
Gene ID	80896
mRNA Refseq	NM_030769
Protein Refseq	NP_110396
MIM	611412

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

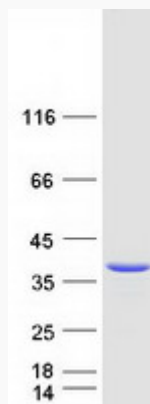
 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

UniProt ID

Q9BXD5

SDS-PAGE

 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