

Recombinant Full Length Human NPL Protein, GST-tagged

Cat. No. NPL-6626HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human NPL full-length ORF (AAH58003.1, 1 a.a. - 240 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	240 amino acids
Description	N-acetylneuraminate pyruvate lyase (EC 4.1.3.3) controls the cellular concentration of sialic acid by catalyzing the conversion of sialic acid into acylmannosamines and pyruvate (Wu et al., 2005 [PubMed 16147865]).[supplied by OMIM
Molecular Mass	53.2 kDa
AA Sequence	MAFPKKKLQGLVAATITPMTENGEINFSVIGQYVDYLVKEQGVKNIFVNGTTGEGLSL SVSERRQVAEEWVTGKDKLDQVIHVGALSLKESQELAQHAAEIGADGIAVIAPFFL KPWTKDILINFLKEVAAAAPALPFYYYHIPALTGVKIRAEELLDGILDKIPTFQGLKFSD TDLLDFGQCVDQNRQQQFAFLFGVDEFCIQRFINFVVKLENSKLKVSKNQRTLPLGT TNFPFLH
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array

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Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	NPL N-acetylneuraminate pyruvate lyase (dihydrodipicolinate synthase) [Homo sapiens]
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_001200050
Protein Refseq	NP_001186979
MIM	611412
UniProt ID	Q9BXD5