

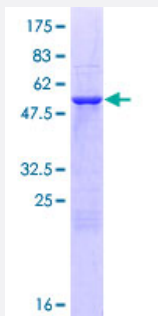
Full-Length

NPL (Human) Recombinant Protein (P01)

Catalog # H00080896-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human NPL full-length ORF (AAH58003.1, 1 a.a. - 240 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MAFPKKKLQGLVAATITPMTENGEINFSVIGQYVDYLVKEQGVKNIFVNGTTGEGLSLSVSERRQV AEEWVTGKDKLDQVIHVGALSLKESQELAQHAAEIGADGIAVIAPFFLKPWTKDILINFLKEVAAA APALPFYYYHIPALTGVKIRAEELLDGILDKIPTFQGLKFSDDLLDFGQCVDQNRQQQFAFLFGVD EFCIQRFINFVVKLENSKLVSKNQRTLPLGTTNFPFLH
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	53.2
Interspecies Antigen Sequence	Mouse (87); Rat (90)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — NPL

Entrez GeneID	80896
GeneBank Accession#	BC058003.1
Protein Accession#	AAH58003.1
Gene Name	NPL
Gene Alias	C1orf13, MGC149582, MGC61869, NPL1, c112
Gene Description	N-acetylneuraminate pyruvate lyase (dihydrodipicolinate synthase)
Omim ID	611412
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	N-acetylneuraminate pyruvate lyase OTTHUMP00000033259 dihydrodipicolinate synthase

Pathway

- [Amino sugar and nucleotide sugar metabolism](#)