

Datasheet for ABIN7549815
NPL Protein (AA 1-320) (His tag)



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Overview

Quantity:	1 mg
Target:	NPL
Protein Characteristics:	AA 1-320
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NPL protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant NPL Protein expressed in mammalian cells.
Sequence:	MAFPKKKLQG LVAATITPMT ENGEINFSVI QQYVDYLVKE QGVKNIFVNG TTGEGLSLSV SERRQVAEEW VTKGKDKLDQ VIIHVGALSL KESQELAQHA AEIGADGIAV IAPFFLKPWT KDILINFLKE VAAAAPALPF YYYHIPALTG VKIRAEELLD GILDKIPTFQ GLKFSDTDLL DFGQCVDQNR QQQFAFLGV DEQLLSALVM GATGAVGSTY NYLGKKTNQM LEAFEQKDFS LALNYQFCIQ RFINFVVKLG FGVSQTKAIM TLVSGIPMGP PRLPLQKASR EFTDSAEAKL KSLDFLSFTD LKDG NLEAGS Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	NPL
Alternative Name:	NPL (NPL Products)
Background:	<p>N-acetylneuraminase lyase (NALase) (EC 4.1.3.3) (N-acetylneuraminase pyruvate-lyase) (N-acetylneuraminic acid aldolase) (Sialate lyase) (Sialate-pyruvate lyase) (Sialic acid aldolase) (Sialic acid lyase),FUNCTION: Catalyzes the cleavage of N-acetylneuraminic acid (sialic acid) to form pyruvate and N-acetylmannosamine via a Schiff base intermediate (PubMed:33895133). It prevents sialic acids from being recycled and returning to the cell surface (PubMed:33895133). Involved in the N-glycolylneuraminic acid (Neu5Gc) degradation pathway (PubMed:22692205, PubMed:33895133). Although human is not able to catalyze formation of Neu5Gc due to the inactive CMAHP enzyme, Neu5Gc is present in food and must be degraded (Probable). {ECO:0000269 PubMed:22692205, ECO:0000269 PubMed:33895133, ECO:0000305 PubMed:22692205}.</p>
Molecular Weight:	35.2 kDa
UniProt:	Q9BXD5

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months
