

Datasheet for ABIN7549745
NOL7 Protein (AA 1-257) (His tag)



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Overview

Quantity:	1 mg
Target:	NOL7
Protein Characteristics:	AA 1-257
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NOL7 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant NOL7 Protein expressed in mammalian cells.
Sequence:	MVQLRPRASR APASAEAMVD EGQLASEEEE AEHGLLLGQP SSGAAAEPL EDEEGDDEFD DEAPEELTFA SAQAEAREEE RRVRET VRRD KTLLEKRRR REELFIEQKK RKLLPDTILE KLTTASQTN I KKSPGKVKEV NLQKKNEDCE KGNSDKKVKV QKVQSVSQNK SYLAVRLKDQ DLRDSRQQA QAFIHNSLYG PGTNRRTVNK FLSLANKRLP VKRAAVQFLN NAWGIQKKQN AKRFKRRWMV RKMKTCK 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: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- 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:	NOL7
Alternative Name:	NOL7 (NOL7 Products)
Background:	<p>U3 small nucleolar RNA-associated protein NOL7 (U3 snoRNA-associated protein NOL7) (Nucleolar protein 7) (Nucleolar protein of 27 kDa),FUNCTION: Functions as part of the small subunit (SSU) processome, first precursor of the small eukaryotic ribosomal subunit that coordinates the first two steps of ribosome biogenesis in transcription of the primary transcript pre-rRNA and pre-18S processing (PubMed:37246770, PubMed:34516797). During the assembly of the SSU processome in the nucleolus, many ribosome biogenesis factors, an RNA chaperone and ribosomal proteins associate with the nascent pre-rRNA and work in concert to generate RNA folding, modifications, rearrangements and cleavage as well as targeted degradation of pre-ribosomal RNA by the RNA exosome (PubMed:34516797). This subunit is required for processing of the 5'-external transcribed spacer sequence (5'ETS) of the primary transcript pre-rRNA to yield the 18S rRNA (PubMed:37246770). Also plays a role in maintaining early pre-rRNA levels, either by assisting in its transcription or stability (PubMed:37246770). {ECO:0000269 PubMed:34516797, ECO:0000269 PubMed:37246770}.</p>
Molecular Weight:	29.4 kDa

Target Details

UniProt: [Q9UMY1](#)

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