

Datasheet for ABIN7549867
NOP56 Protein (AA 1-594) (His tag)



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Overview

Quantity:	1 mg
Target:	NOP56
Protein Characteristics:	AA 1-594
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NOP56 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant NOP56 Protein expressed in mammalian cells.
Sequence:	<p>MVLLHVLFEH AVGYALLALK EEEISLLQP QVEESVLNLG KFHSIVRLVA FCPFASSQVA LENANAVSEG VVHEDLRLLL ETHLPSKKKK VLLGVGDPKI GAAIQEELGY NCQTGGVIAE ILRGVRLHFH NLVKGLTDLS ACKAQLGLGH SYSRAKVKN VNRVDNMIIQ SISLLDQLDK DINTFSMRVR EWYGYHFPPEL VKIINDNATY CRLAQFIGNR RELNEDKLEK LEELTMDGAK AKAILDASRS SMGMDISAID LINIESFSSR VVSLSEYRQS LHTYLRSKMS QVAPSLSALI GEAVGARLIA HAGSLTNLAK YPASTVQILG AEKALFRALK TRGNTPKYGL IFHSTFIGRA AAKNKGRISR YLANKCSIAS RIDCFSEVPT SVFGEKLREQ VEERLSFYET GEIPRKNLDV MKEAMVQAEE AAAEITRKLE KQEKRLKKE KKRLAALALA SSENSSTPE ECEEMSEKPK KKKKQKPQEV PQENGMEDPS ISFSKPKKKK SFSKEELMSS DLEETAGSTS IPKRKKSTPK EETVNDPEEA GHRSGSKKKR KFSKEEPVSS GPPEAVGKSS SKKKKKFHKA SQED 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</p>

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:**

- 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: NOP56

Alternative Name: NOP56 ([NOP56 Products](#))

Background: Nucleolar protein 56 (Nucleolar protein 5A),FUNCTION: Involved in the early to middle stages of 60S ribosomal subunit biogenesis. Core component of box C/D small nucleolar ribonucleoprotein (snoRNP) particles. Required for the biogenesis of box C/D snoRNAs such U3, U8 and U14 snoRNAs (PubMed:12777385, PubMed:15574333). Part of the small subunit (SSU) processome, first precursor of the small eukaryotic ribosomal subunit. 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).
{ECO:0000269|PubMed:12777385, ECO:0000269|PubMed:15574333,

Target Details

	ECO:0000269 PubMed:34516797}.
Molecular Weight:	66.1 kDa
UniProt:	O00567

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