

Datasheet for ABIN7549746  
**NOP58 Protein (AA 1-529) (His tag)**



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## Overview

Quantity:	1 mg
Target:	NOP58
Protein Characteristics:	AA 1-529
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NOP58 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant NOP58 Protein expressed in mammalian cells.
Sequence:	<p>MLVLFETSVG YAIFKVLNEK KLQEVDLWK EFETPEKANK IVKCLKHFEKF QDTAEALAAF TALMEGKINK QLKKVLKKIV KEAHEPLAVA DAKLGGVIKE KLNLSCIHSP VVNELMRGIR SQMDGLIPGV EPREMAAMCL GLAHSLSRYR LKFSADKVDV MIVQAISLLD DLDKELNNYI MRCREWYGWH FPELGKIISD NLTYCKCLQK VGDRKNYASA KSELLPEEV EAEVKAAAEI SMGTEVSEED ICNILHLCTQ VIEISEYRTQ LYEYLQNRMM AIAPNVTVMV GELVGARLIA HAGSLLNLAK HAASTVQILG AEKALFRALK SRRDTPKYGL IYHASLVGQT SPKHKGKISR MLAAKTVLAI RYDAFGEDSS SAMGVENRAK LEARLRTLED RGIRKISGTG KALAKTEKYE HKSEVKTYDP SGDSTLPTCS KKRKIEQVDK EDEITEKKAK KAKIKVKVEE EEEEEVAEEE ETSVKKKKKR GKKKHIIKEEP LSEEEPTST AIASPEKKKK KKKKRENE</p> <p><b>Sequence without tag.</b></p> <p><b>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.</b></p>

## Product Details

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**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.

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**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.

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

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**Grade:** custom-made

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## Target Details

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**Target:** NOP58

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**Alternative Name:** NOP58 ([NOP58 Products](#))

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**Background:** Nucleolar protein 58 (Nucleolar protein 5),FUNCTION: Required for 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 as U3, U8 and U14 snoRNAs. 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:15574333, ECO:0000269|PubMed:17636026, ECO:0000269|PubMed:19620283, ECO:0000269|PubMed:34516797}.

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**Molecular Weight:** 59.6 kDa

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## Target Details

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UniProt: [Q9Y2X3](#)

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Pathways: [Protein targeting to Nucleus](#)

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## Application Details

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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.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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