

Datasheet for ABIN7549850
NSUN6 Protein (AA 1-469) (His tag)



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Overview

Quantity:	1 mg
Target:	NSUN6
Protein Characteristics:	AA 1-469
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NSUN6 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant NSUN6 Protein expressed in mammalian cells.
Sequence:	<p>MSIFPKISLR PEVENYLKEG FMNKEIVTAL GKQEAERKFE TLLKHLSHPP SFTTVRVNTH LASVQHVKNL LLEDELQKQFN GLSVPILQHP DLQDVLLIPV IGPRKNIKKQ QCEAIVGAQC GNAVLRGAHV YAPGIVSASQ FMKAGDVISV YSDIKGKCKK GAKEFDGTKV FLNGISELS RKEIFSGLPE LKGMGIRMTE PVYLSPSFDS VLPRYLFLQN LPSALVSHVL NPQPGEKILD LCAAPGGKTT HIAALMHDQG EVIALDKIFN KVEKIKQNAL LLGLNSIRAF CFDGTKAVKL DMVEDTEGEP PFLPESFDRI LLDAPCSGMG QRPNMACTWS VKEVASYQPL QRKLFTAAVQ LLKPEGVLVY STCTITLAEN EEQVAWALTK FPCLQLQPQE PQIGGEGMRG AGLSCEQLKQ LQRFDPsAVP LPDPTDMDSLR EARREDMLRL ANKDSIGFFI AKFVKCKST Sequence without tag.</p> <p>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.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

Product Details

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:

NSUN6

Alternative Name:

NSUN6 ([NSUN6 Products](#))

Background:

TRNA (cytosine(72)-C(5))-methyltransferase NSUN6 (EC 2.1.1.-) (NOL1/NOP2/Sun and PUA domain-containing protein 1) (NOL1/NOP2/Sun domain family member 6),FUNCTION: S-adenosyl-L-methionine-dependent methyltransferase that specifically methylates the C5 position of cytosine 72 in tRNA(Thr)(TGT) and tRNA(Cys)(GCA) (PubMed:26160102, PubMed:27703015, PubMed:28531330). In vitro also methylates tRNA(Thr)(AGT) (PubMed:27703015, PubMed:26160102). Methylation requires, in the acceptor stem region, the presence of the 3'-CCA terminus, the target site C72, the discriminator base U73, and the second and third base pairs (2:71 and 3:70) in the tRNA substrates (PubMed:26160102, PubMed:27703015). {ECO:0000269|PubMed:26160102, ECO:0000269|PubMed:27703015, ECO:0000269|PubMed:28531330}.

Molecular Weight:

51.8 kDa

Target Details

UniProt: [Q8TEA1](#)

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