

Datasheet for ABIN7549849
NSUN3 Protein (AA 1-340) (His tag)



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Overview

Quantity:	1 mg
Target:	NSUN3
Protein Characteristics:	AA 1-340
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NSUN3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant NSUN3 Protein expressed in mammalian cells.
Sequence:	<p>MLTQLKAKSE GKLAQICKV VLDHFEKQYS KELGDAWNTV REILTSPSCW QYAVLLNRFN YPFELEKDLH LKGYHTLSQG SLPNYPKSVK CYLSRTPGRI PSERHQIGNL KKYLLNAAS LLPVLALELR DGEKVLDLCA APGGKSIALL QCACPGYLHC NEYDSLRLRW LRQTLESFIP QPLINVIKVS ELDGRKMGDA QPEMFDKVLV DAPCSNDRSW LFSSDSQKAS CRISQRRNLP LLQIELLSA IKALRPGGIL VYSTCTLSKA ENQDVICEIL NSHGNIMPMD IKGIARTCSH DFTFAPTQE CGLLVIPDKG KAWGPMYVAK LKKSWSWGKW 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.</p>
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)
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Grade:	custom-made
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Target Details

Target:	NSUN3
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Alternative Name:	NSUN3 (NSUN3 Products)
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Background:	TRNA (cytosine(34)-C(5))-methyltransferase, mitochondrial (EC 2.1.1.-) (NOL1/NOP2/Sun domain family member 3),FUNCTION: Mitochondrial tRNA methyltransferase that mediates methylation of cytosine to 5-methylcytosine (m5C) at position 34 of mt-tRNA(Met) (PubMed:27497299, PubMed:27214402, PubMed:27356879). mt-tRNA(Met) methylation at cytosine(34) takes place at the wobble position of the anticodon and initiates the formation of 5-formylcytosine (f(5)c) at this position (PubMed:27497299, PubMed:27214402, PubMed:27356879). mt-tRNA(Met) containing the f(5)c modification at the wobble position enables recognition of the AUA codon in addition to the AUG codon, expanding codon recognition in mitochondrial translation (PubMed:27497299, PubMed:27356879). {ECO:0000269 PubMed:27214402, ECO:0000269 PubMed:27356879, ECO:0000269 PubMed:27497299}.
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Molecular Weight:	38.2 kDa
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UniProt:	Q9H649
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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
