

Datasheet for ABIN7558151
NADSYN1 Protein (AA 1-725) (His tag)



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Overview

Quantity:	1 mg
Target:	NADSYN1
Protein Characteristics:	AA 1-725
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NADSYN1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Nadsyn1 Protein expressed in mammalian cells.
Sequence:	MGRKVTVATC ALNQWALDFE GNFQRILKSI QIAKKGKARY RLGPELEICG YGCWDHYHES DTLLHSLQVL AALLDSPVTQ DIICDVGMPI MHRNVRYNCR VIFLNRKILL IRPKMALANE GNYRELWFT PWTRSRQTEE YVLPRMLQDL TKQKTVPFQD VVLATQDTCV GSEICEELWT PRSPHIDMGL DGVEIITNAS GSHHVLKKAH TRVDLVTMAT SKNGGIYLLA NQKGCDDGRL YYDGCAMIAM NGSIFAQGTQ FSLDDVEVLT ATLDLEDVRS YKAEISSRNL EATRVSPYPR VTVDFALSVS EDLLEPVSEP MEWYHRPEE EISLGPACWL WDFLRRSKQA GFFLPLSGGV DSAASACIVY SMCCLVCDVAV KSGNQVQLTD VQNLVDESSY TPQDPRELQCG RLLTTCYMAS ENSSQETHSR ATKLAQLIGS YHINLSIDTA VKAVLGIFSL MTGKLPFRSA HGGSSRENLA LQNVQARIRM VLAYLFAQLS LWSRGARGSL LVLGSANVDE SLLGYLTKYD CSSADINPIG GISKTDLRAF VQFCAERFQL PVLQTILSAP ATAELEPLAD GQVSQMDEED MGMTYAELSI FGRLRKVAKA GPYSMFCKLL NMWRDSYTPT QVAEKVKLFF SKYSMNRHKM TTLTPAYHAE NYSRDDNRFD LRPFLYNTRW PWQFLCIDNQ VLQLERKASQ TREEQVLEHF KEPSPWQKQL LPKDP

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:

- 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: NADSYN1

Alternative Name: Nadsyn1 ([NADSYN1 Products](#))

Background: Glutamine-dependent NAD(+) synthetase (EC 6.3.5.1) (NAD(+) synthase [glutamine-hydrolyzing]) (NAD(+) synthetase) (NH₃-dependent NAD(+) synthetase-like protein),FUNCTION: Catalyzes the final step of the nicotinamide adenine dinucleotide (NAD) de novo synthesis pathway, the ATP-dependent amidation of deamido-NAD using L-glutamine as a nitrogen source. {ECO:0000250|UniProtKB:Q6IA69}.

Molecular Weight: 81.7 kDa

UniProt: [Q711T7](#)

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
