

Datasheet for ABIN7552921  
**NOS1AP Protein (AA 1-506) (His tag)**



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## Overview

Quantity:	1 mg
Target:	NOS1AP
Protein Characteristics:	AA 1-506
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NOS1AP protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat NOS1AP Protein expressed in mammalian cells.
Sequence:	<p>MPSKTKYNLV DDGHDLRIPL HNEDAFQHGI CFEAKYVGSL DVPRPNSRVE IVAAMRRIRY EFKAKNIKKK KVSIMVSVDG VKVILKKKKK LLLLQKKEWT WDESKMLVMQ DPIYRIFYVS HDSQDLKIFS YIARDGASNI FRCNVFKSKK KSQAMRIVRT VGQAFEVCHK LSLQHTQQNA DGQEDGESER NSNSSGDPGR QLTGAERAST ATAETDIDA VEVPLPGNDV LEFSRGVTDL DAVGKEGGSH TGSKVSHPQE PMLTASPRML LPSSSSKPPG LGTETPLSTH HQMQLLQQLL QQQQQTQVA VAQVHLLKDQ LAEEAAARLE AQARVHQLLL QNKDMLQHIS LLVKQVQELE LKLSGQNAMG SQDSLLEITF RSGALPVLCD PTPPKPEDLH SPPLGAGLAD FAHPAGSPLG RRDCLVKLEC FRFLPPEDTP PPAQGEALLG GLELIKFRES GIASEYESNT DESEERDSWS QEELPRLLNV LQRQELGDGL DDEIAV <b>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.</b></p>

## Product Details

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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, Western Blot

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### Grade:

custom-made

## Target Details

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### Target:

NOS1AP

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### Alternative Name:

NOS1AP ([NOS1AP Products](#))

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### Background:

Carboxyl-terminal PDZ ligand of neuronal nitric oxide synthase protein (C-terminal PDZ ligand of neuronal nitric oxide synthase protein) (Nitric oxide synthase 1 adaptor protein),FUNCTION: Adapter protein involved in neuronal nitric-oxide (NO) synthesis regulation via its association with nNOS/NOS1. The complex formed with NOS1 and synapsins is necessary for specific NO and synapsin functions at a presynaptic level. Mediates an indirect interaction between NOS1 and RASD1 leading to enhance the ability of NOS1 to activate RASD1. Competes with DLG4 for interaction with NOS1, possibly affecting NOS1 activity by regulating the interaction between NOS1 and DLG4 (By similarity). In kidney podocytes, plays a role in podosomes and filopodia formation through CDC42 activation (PubMed:33523862). {ECO:0000250|UniProtKB:O54960, ECO:0000269|PubMed:33523862}.

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### Molecular Weight:

56.2 kDa

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### UniProt:

[O75052](#)

## Application Details

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Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. 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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