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Datasheet for ABIN7560945
NOS1AP Protein (AA 1-503) (His tag)

Overview

Quantity:	1 mg
Target:	NOS1AP
Protein Characteristics:	AA 1-503
Origin:	Mouse
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 mammalien cells.
Sequence:	<p>MPSKTKYNLV DDGHDLRIPL HNEDAFQHGI SFEAKYVGSL DVPRPNSRVE IVAAMRRIRY EFKAKNIKKK KVSIMVSVDG VKVILKKKKK KKEWTWDESK MLVMQDPIYR IFYVSHDSQD LKIFSYIARD GASNIFRCNV FKSKKKSQAM RIVRTVGQAF EVCHKLSLQH TQQNADGQED GESERNSDGS GDPGRQLTGA ERVSTAAAE TDIDAVEVPL PGNDILEFSR GVTDLDAVGK DGGSHIDSTV SPHPQEPMLT ASPRMLLPSS SSKPPGLGTG TPLSTHHQMQ LLQQLLQQQQ QQTQVAVAQV HLLKDQLAAE AAARLEAQAR VHQLLLQNKD MLQHISLLVK QVQELELKLS GQNTMGSQDS LLEITFRSGA LPVLCESTTP KPEDLHSPLL GAGLADFAHP AGSPLGRHDC LVKLECFRFL PPEDTQPMMA QGEPLGGLE LIKFRESGIA SEYESNTDES EERDSWSQEE LPRLNLVLR QELGDSLDDDE IAV 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>

Product Details

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, Western Blot

Grade:

custom-made

Target Details

Target:

NOS1AP

Alternative Name:

Nos1ap ([NOS1AP Products](#))

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}.

Molecular Weight:

55.9 kDa

UniProt:

[Q9D3A8](#)

Application Details

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.

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
