

Recombinant Human NOS1AP Protein (Thr285-Val506), His tagged

Cat. No. NOS1AP-2716H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human NOS1AP (Thr285-Val506) protein fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Thr285-Val506
Description	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.
Molecular Mass	26.16 kDa
Purity	>90 % as determined by SDS-PAGE.
Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the

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	date of receipt.
Storage Buffer	Supplied as solution form in PBS pH 7.5 or lyophilized from PBS pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	In general, proteins are provided as lyophilized powder/frozen liquid. They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	NOS1AP nitric oxide synthase 1 (neuronal) adaptor protein [Homo sapiens (human)]
Official Symbol	NOS1AP
Synonyms	NOS1AP; nitric oxide synthase 1 (neuronal) adaptor protein; carboxyl-terminal PDZ ligand of neuronal nitric oxide synthase protein; C terminal PDZ domain ligand of neuronal nitric oxide synthase; CAPON; KIAA0464; nitric oxide synthase 1 adaptor protein; C-terminal PDZ ligand of neuronal nitric oxide synthase protein; C-terminal PDZ domain ligand of neuronal nitric oxide synthase (CAPON); ligand of neuronal nitric oxide synthase with carboxyl-terminal PDZ domain; 6330408P19Rik; MGC138500;
Gene ID	9722
mRNA Refseq	NM_001126060
Protein Refseq	NP_001119532
MIM	605551

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UniProt ID

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