Recombinant Human NOS1AP Protein, His-tagged

Cat. No. NOS1AP-471H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NOS1AP(Thr285~Val506) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Thr285~Val506
Description	This gene encodes a cytosolic protein that binds to the signaling molecule, neuronal nitric oxide synthase (nNOS). This protein has a C-terminal PDZ-binding domain that mediates interactions with nNOS and an N-terminal phosphotyrosine binding (PTB) domain that binds to the small monomeric G protein, Dexras1. Studies of the related mouse and rat proteins have shown that this protein functions as an adapter protein linking nNOS to specific targets, such as Dexras1 and the synapsins. Alternative splicing results in multiple transcript variants encoding different isoforms.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	28.3kDa
Identity	Reconstitute in PBS or others
Endotoxin	<1.0EU per 1μg (determined by the LAL method)

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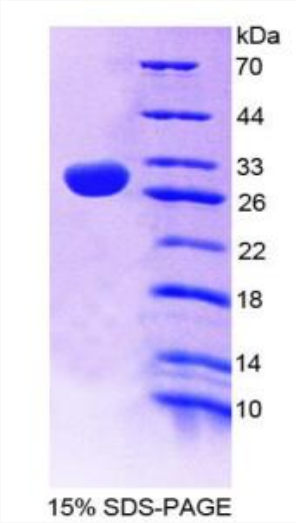
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others

GENE INFORMATION

Gene Name	NOS1AP nitric oxide synthase 1 (neuronal) adaptor protein [Homo sapiens]
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

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mRNA Refseq	NM_001126060
Protein Refseq	NP_001119532
MIM	605551
UniProt ID	O75052



15% SDS-PAGE

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