Recombinant Human Carboxyl-terminal PDZ ligand of neuronal nitric oxide synthase protein (NOS1AP)

Product Code	CSB-EP015942HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O75052
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MPSKTKYNLV DDGHDLRIPL HNEDAFQHGI CFEAKYVGSL DVPRPNSRVE IVAAMRRIRY EFKAKNIKKK KVSIMVSVDG VKVILKKKKK LLLLQKKEWT WDESKMLVMQ DPIYRIFYVS HDSQDLKIFS YIARDGASNI FRCNVFKSKK KSQAMRIVRT VGQAFEVCHK LSLQHTQQNA DGQEDGESER NSNSSGDPGR QLTGAERAST ATAEETDIDA VEVPLPGNDV LEFSRGVTDL DAVGKEGGSH TGSKVSHPQE PMLTASPRML LPSSSSKPPG LGTETPLSTH HQMQLLQQLL QQQQQQTQVA VAQVHLLKDQ LAAEAAARLE AQARVHQLLL QNKDMLQHIS LLVKQVQELE LKLSGQNAMG SQDSLLEITF RSGALPVLCD PTTPKPEDLH SPPLGAGLAD FAHPAGSPLG RRDCLVKLEC FRFLPPEDTP PPAQGEALLG GLELIKFRES GIASEYESNT DESEERDSWS QEELPRLLNV LQRQELGDGL DDEIAV
Source	E.coli
Target Names	NOS1AP
Protein Names	Recommended name: Carboxyl-terminal PDZ ligand of neuronal nitric oxide synthase protein Alternative name(s): C-terminal PDZ ligand of neuronal nitric oxide synthase protein Nitric oxide synthase 1 adaptor protein
Expression Region	1-506
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	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.

Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.