

Recombinant Human NAE1 Protein, His-tagged

Cat. No. NAE1-417H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NAE1(Thr229~Leu534) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Thr229~Leu534
Description	The protein encoded by this gene binds to the beta-amyloid precursor protein. Beta-amyloid precursor protein is a cell surface protein with signal-transducing properties, and it is thought to play a role in the pathogenesis of Alzheimer's disease. In addition, the encoded protein can form a heterodimer with UBE1C and bind and activate NEDD8, a ubiquitin-like protein. This protein is required for cell cycle progression through the S/M checkpoint. Three transcript variants encoding different isoforms have been found for this gene.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	38.1kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	> 95%

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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	NAE1 NEDD8 activating enzyme E1 subunit 1 [Homo sapiens]
Official Symbol	NAE1
Synonyms	NAE1; NEDD8 activating enzyme E1 subunit 1; amyloid beta precursor protein binding protein 1 , amyloid beta precursor protein binding protein 1, 59kDa , amyloid beta precursor protein binding protein 1, 59kD , APPBP1; NEDD8-activating enzyme E1 regulatory subunit; NEDD8 activating enzyme E1 subunit; ula 1; APP-BP1; protooncogene protein 1; proto-oncogene protein 1; amyloid protein-binding protein 1; NEDD8-activating enzyme E1 subunit; amyloid beta precursor protein-binding protein 1, 59kD; amyloid beta precursor protein binding protein 1, 59kDa; amyloid beta precursor protein-binding protein 1, 59 kDa; HPP1; ula-1; APPBP1; A-116A10.1;
Gene ID	8883
mRNA Refseq	NM_001018159

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Protein Refseq	NP_001018169
MIM	603385
UniProt ID	Q13564
	