

Recombinant Full Length Human NAE1 Protein, GST-tagged

Cat. No. NAE1-1072HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human APPBP1 full-length ORF (AAH00480, 1 a.a. - 534 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	534 amino acids
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. [provided by RefSeq, Jul 2008]
Molecular Mass	84.48 kDa
AA Sequence	MAQLGKLLKE QKYDRQLRLW GDHGQEALES AHVCLINATA TGTEILKNLV LPGIGSFTII DGNQVSGEDA GNNFFLQRSS IGKNRAEAAM EFLQELNSDV SGSFVEESPE NLLDNDPSFF CRFTVVVATQ LPESTSLRLA DVLWNSQIPL LICRTYGLVG YMRIIKEHP VIESHPDNAL EDLRLDKPFP ELREHFQSYD LDHMEKKDHS HTPWIVIAK YLAQWYSETN GRIPKTYKEK EDFRDLIRQG ILKNENGAPE DEENFEEAIK NVNTALNTTQ IPSSIEDIFN DDRCINITKQ

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TPSFWILARA LKEFVAKEGQ GNLPVRGTIP DMIADSGKYI KLQNVYREKA
 KKDAAAVGNH VAKLLQSIGQ APESISEKEL KLLCSNSAFL RVVRCRSLAE
 EYGLDTINKD EIISMDNPD NEIVLYLMLR AVDRFHKQQG RYPGVSNYQV
 EEDIGKLKSC LTGFLQEYGL SVMVKDDYVH EFCRYGAAEP HTIAAFLGGA
 AAQEVIKIIT KQFVIFNNTY IYSGMSQTSA TFQL

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

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