

Product datasheet for TP301326L

APPBP1 (NAE1) (NM_001018160) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human NEDD8 activating enzyme E1 subunit 1 (NAE1), transcript variant 3, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201326 protein sequence Red=Cloning site Green=Tags(s)

MAQLGKLLKEQKYDRQLRLWGDHGQEALESABVCLINATATGTEILKNLVLPGIGSFTIIDGNQVSGEDA
GNNFFLQRSSIGKNRAEAAMEFLQELNSDVSGSFVEESPENLLDNDPSFFCRFTVVVATQLPESTSLRLA
DVLWNSQIPLLICRTYGLVGYMRIIIKEHPVIESHPDNALEDLRLDKPFPELREHFQSYDLDHMEKKDHS
HTPWIVIIAKYLAQWYSETNGRIPKTYKEKEDFRDLIRQGILKNENGAPEDENFEEAIKNVNTALNTTQ
IPSSIEDIFNDDRCINITKQTPSWILARALKEFVAKEGQGNLPVVRGTIPDMIADSGKYIKLQNVYREKA
KKDAAAVGNHVAKLLQSIGQAPESISEKELKLLCSNSAFLRVVRCRSLAEYGLDTINKDEIISMDNPD
NEIVLYLMLRAVDRFHKQQGRYPGVSNYQVEEDIGKLSCLTGFLQEYGLSVMVKDDYVHEFCRYGAAEP
HTIAAFLGGAAAQEVIKIITKQFVIFNNTYIYSGMSQTSATFQL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	50.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_001018170](#)

Locus ID: 8883

UniProt ID: [Q13564](#)

RefSeq Size: 1716

Cytogenetics: 16q22.1

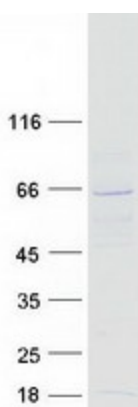
RefSeq ORF: 1605

Synonyms: A-116A10.1; APPBP1; HPP1; ula-1

Summary: 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]

Protein Pathways: Alzheimer's disease

Product images:



Coomassie blue staining of purified NAE1 protein (Cat# [TP301326]). The protein was produced from HEK293T cells transfected with NAE1 cDNA clone (Cat# [RC201326]) using MegaTran 2.0 (Cat# [TT210002]).