

Product datasheet for PH301326

APPBP1 (NAE1) (NM_001018160) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NAE1 MS Standard C13 and N15-labeled recombinant protein (NP_001018170)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201326
Predicted MW:	60.2 kDa
Protein Sequence:	>RC201326 protein sequence Red=Cloning site Green=Tags(s)

MAQLGKLLKEQKYDRQLRLWGDHGQEALES AHVCLINATATGTEILKNLVLPGIGSFTIIDGNQVSGEDA
GNNFFLQRSSIGKNRAEAAMEFLQELNSDVSGSFVEESPENLLDNDPSFFCRFTVVVATQLPESTSLRLA
DVLWNSQIPLLICRTYGLVGYMRIIIEKHPVIESHPDNAEDLRLDKPFPELREHFQSYDLHMEKKDHS
HTPWIVIIAKYLAQWYSETNGRIPKTYKEKEDFRDLIRQGILKNENGAPEDENFEEAIKNVNTALNTTQ
IPSSIEDIFNDDRCINITKQTPSWILARALKEFVAKEGQGNLPVRGTIPDMIADSGKYIKLQNVYREKA
KKDAAAVGNHVAKLLQSIGQAPESISEKELKLLCSNSAFLRVVRCRSLAEEYGLDTINKDEIISMDNPD
NEIVLYLMLRAVDRFHKQGRYPGVSNYQVEEDIGKLSCLTGFLQEYGLSVMVKDDYVHEFCRYGAAEP
HTIAAFLGGAAAQEVIKIITKQVIFNNTYIYSGMSQTSATFQL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_001018170
RefSeq Size:	1716
RefSeq ORF:	1605



[View online »](#)

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

Locus ID: 8883

UniProt ID: [Q13564](#)

Cytogenetics: 16q22.1

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]).