

Recombinant Human APPBP1 protein ab116199

1 Image

Description

Product name	Recombinant Human APPBP1 protein
Purity	> 90 % SDS-PAGE. ab116199 was purified using conventional chromatography techniques.
Expression system	Escherichia coli
Accession	<u>Q13564</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	<p>MGSSHHHHHHSSGLVPRGSHMGMAQLGKLLKEQKYDR QLRLWGDHGQEA LESAHVCLINATATGTEILKNLVLPGIGSFTIIDGNQVSGEDA GNNFFLQ RSSIGKNRAEAAMEFLQELNSDVSGSFVEESPENLLDND PSFFCRFTVVV ATQLPESTSLRLADVLWNSQIPLLICRTYGLVGYMRIIIKEHP VIESHPD NALEDLRLDKPFPELREHFQSYDLDHMEKKDHSHTPWVII AKYLAQWYS ETNGRIPKTYKEKEDFRDLIRQGILKNENGAPEDENFEEAI KNVNTALN TTQIPSSIEDIFNDDRCINITKQTPSFWILARALKEFVAKEGQ GNLPVRG TIPDMIADSGKYIKLQNVYREKAKKDAAAAGNHVAKLLQSI GQAPESISE KELKLLCSNSAFLRVVRCRSLAEEYGLDTINKDEIISSMDN PDNEMLYL MLRAVDRFHKQQGRYPGVSNYQVEEDIGKLSCLTGFLQ EYGLSVMVKDD YVHEFCRYGAAEPHTIAAFLGGAAAQEVIKIITKQFVFNNTYI YSGMSQ TSATFQL</p>
Predicted molecular weight	63 kDa including tags
Amino acids	1 to 534

Tags

His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab116199** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications SDS-PAGE

Form Liquid

Preparation and Storage

Stability and Storage Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 0.03% DTT, 0.32% Tris HCl, 10% Glycerol (glycerin, glycerine), 1.17% Sodium chloride

General Info

Function Regulatory subunit of the dimeric UBA3-NAE1 E1 enzyme. E1 activates NEDD8 by first adenylating its C-terminal glycine residue with ATP, thereafter linking this residue to the side chain of the catalytic cysteine, yielding a NEDD8-UBA3 thioester and free AMP. E1 finally transfers NEDD8 to the catalytic cysteine of UBE2M. Necessary for cell cycle progression through the S-M checkpoint. Overexpression of NAE1 causes apoptosis through deregulation of NEDD8 conjugation.

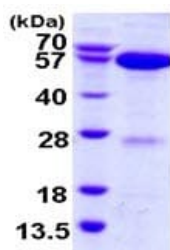
Tissue specificity Ubiquitous in fetal tissues. Expressed throughout the adult brain.

Pathway Protein modification; protein neddylation.

Sequence similarities Belongs to the ubiquitin-activating E1 family. ULA1 subfamily.

Cellular localization Cell membrane. Colocalizes with APP in lipid rafts.

Images



15% SDS-PAGE analysis of 3 µg ab116199.

SDS-PAGE - Recombinant Human APPBP1 protein
(ab116199)

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