Datasheet for ABIN7552312

APPBP2 Protein (AA 1-585) (His tag)

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Overview

Quantity:	1 mg
Target:	APPBP2
Protein Characteristics:	AA 1-585
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This APPBP2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat APPBP2 Protein expressed in mammalien cells.
Sequence:	MAAVELEWIP ETLYNTAISA VVDNYIRSRR DIRSLPENIQ FDVYYKLYQQ GRLCQLGSEF CELEVFAKVL RALDKRHLLH HCFQALMDHG VKVASVLAYS FSRRCSYIAE SDAAVKEKAI QVGFVLGGFL SDAGWYSDAE KVFLSCLQLC TLHDEMLHWF RAVECCVRLL HVRNGNCKYH LGEETFKLAQ TYMDKLSKHG QQANKAALYG ELCALLFAKS HYDEAYKWCI EAMKEITAGL PVKVVVDVLR QASKACVVKR EFKKAEQLIK HAVYLARDHF GSKHPKYSDT LLDYGFYLLN VDNICQSVAI YQAALDIRQS VFGGKNIHVA TAHEDLAYSS YVHQYSSGKF DNALFHAERA IGIITHILPE DHLLLASSKR VKALILEEIA IDCHNKETEQ RLLQEAHDLH LSSLQLAKKA FGEFNVQTAK HYGNLGRLYQ SMRKFKEAEE MHIKAIQIKE QLLGQEDYEV ALSVGHLASL YNYDMNQYEN AEKLYLRSIA IGKKLFGEGY SGLEYDYRGL IKLYNSIGNY EKVFEYHNVL SNWNRLRDRQ YSVTDALEDV STSPQSTEEV VQSFLISQNV EGPSC **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different**

Product Details

	complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins. • State-of-the-art algorithm used for plasmid design (Gene synthesis). This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein. If you are not interested in a full length protein, please contact us for individual protein fragments. The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	APPBP2
Alternative Name:	APPBP2 (APPBP2 Products)
Background:	Amyloid protein-binding protein 2 (Amyloid beta precursor protein-binding protein 2) (APP-BP2) (Protein interacting with APP tail 1),FUNCTION: Substrate-recognition component of a Cul2-RING (CRL2) E3 ubiquitin-protein ligase complex of the DesCEND (destruction via C-end degrons) pathway, which recognizes a C-degron located at the extreme C terminus of target proteins, leading to their ubiquitination and degradation (PubMed:29779948, PubMed:29775578). The C-degron recognized by the DesCEND pathway is usually a motif of less than ten residues and can be present in full-length proteins, truncated proteins or proteolytically cleaved forms (PubMed:29779948, PubMed:29775578). The CRL2(APPBP2) complex specifically recognizes proteins with a -Arg-Xaa-Xaa-Gly degron at the C-terminus, leading to their ubiquitination and degradation (PubMed:29779948, PubMed:29775578). The CRL2(APPBP2) complex mediates ubiquitination and degradation of truncated SELENOV

Target Details

	selenoproteins produced by failed UGA/Sec decoding, which end with a -Arg-Xaa-Xaa-Gly degron (PubMed:26138980). May play a role in intracellular protein transport: may be involved in the translocation of APP along microtubules toward the cell surface (PubMed:9843960). {ECO:0000269|PubMed:26138980, ECO:0000269|PubMed:29775578, ECO:0000269|PubMed:29779948, ECO:0000269|PubMed:9843960}.
Molecular Weight:	66.9 kDa
UniProt:	Q92624

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months

