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Datasheet for ABIN7552192
AP1B1 Protein (AA 1-949) (His tag)

Overview

Quantity:	1 mg
Target:	AP1B1
Protein Characteristics:	AA 1-949
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This AP1B1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat AP1B1 Protein expressed in mammalian cells.
Sequence:	MTDSKYFTTT KKGEIFELKA ELNSDKKEKK KEAVKKVIAS MTVGKDVSAL FPDVWNCMQT DNLELKKLVY LYLMNYAKSQ PDMAIMAVNT FVKDCEDPNP LIRALAVRTM GCIRVDKITE YLCEPLRKCL KDEDPYVRKT AAVCVAKLHD INAQLVEDQG FLDTLKDLIS DSNPMVVANA VAALSEIAES HPSSNLLDLN PQSINKLLTA LNECTEWGQI FILDCLANYM PKDDREAQSI CERVTPRLSH ANSAVLSAV KVLKMFMEML SKDLDDYYGTL LKKLAPPLVT LLSAEPQLQY VALRNINLIV QKRPEILKHE MKVFFVKYND PIYVKLEKLD IMIRLASQAN IAQVLAELKE YATEVDVDFV RKAVRAIGRC AIKVEQSAER CVSTLLDLIQ TKVNYVVQEA IVVIKDIFRK YPNKYESVIA TLCENLDSL D EPEARAA MIW IVGEYAERID NADELLESFL EGFHDESTQV QLQLLTAIVK LFLKKPTETQ ELVQQVLSLA TQSDSNPDLR DRGYIWRLL STDPVAAKEV VLAEKPLISE ETDLIEPTLL DELICYIGTL ASVYHKPPSA FVEGGRGVVH KSLPRTASS ESAESPETAP TGAPPGEQPD VIPAQGDLLG DLLNLDLGPP VSGPPLATSS VQMGAVDLLG

Product Details

GGLDSLIMGDE PEGIGGTNFV APPTAAVPAN LGAPIGSGLS DLFDLTSGVG TLSGSYVAPK
AVWLPAMKAK GLEISGTFTR QVGSISMDLQ LTNKALQVMT DFAIQFNRNS FGLAPAAPLQ
VHAPLSPNQT VEISLPLSTV GSVMKMEPLN NLQVAVKNNI DVFYFSTLYP LHILFVEDGK
MDRQMFLATW KDIPNENEAQ FQIRDCPLNA EAASSKLQSS NIFTVAKRNV EGQDMLYQSL
KLTNGIWVLA ELRIQPGNPS CTDLELSLKC RAPEVSQHVY QAYETILKN **Sequence without tag.**

The proposed Purification-Tag is based on experiences with the expression system, a different 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 mammalian 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:

AP1B1

Alternative Name:

AP1B1 ([AP1B1 Products](#))

Background:

AP-1 complex subunit beta-1 (Adaptor protein complex AP-1 subunit beta-1) (Adaptor-related protein complex 1 subunit beta-1) (Beta-1-adaptin) (Beta-adaptin 1) (Clathrin assembly protein complex 1 beta large chain) (Golgi adaptor HA1/AP1 adaptin beta subunit),FUNCTION: Subunit of clathrin-associated adaptor protein complex 1 that plays a role in protein sorting in the late-Golgi/trans-Golgi network (TGN) and/or endosomes (PubMed:31630791). The AP complexes

Target Details

mediate both the recruitment of clathrin to membranes and the recognition of sorting signals within the cytosolic tails of transmembrane cargo molecules.
{ECO:0000269|PubMed:31630791}.

Molecular Weight: 104.6 kDa

UniProt: [Q10567](#)

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