

Datasheet for ABIN7552127

AP3B1 Protein (AA 1-1094) (His tag)



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Overview

Quantity:	1 mg
Target:	AP3B1
Protein Characteristics:	AA 1-1094
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This AP3B1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat AP3B1 Protein expressed in mammalian cells.
Sequence:	<p>MSSNSFPYNE QSGGGEATEL GQEATSTISP SGAFGLFSSD LKKNEDLKQM LESNKDSAKL DAMKRIVGMI AKGKNASELF PAVVKNVASK NIEIKKLVYV YLVRYAEEQQ DLALLSISTF QRALKDPNQL IRASALRVLS SIRVPIIVPI MMLAIKEASA DLSPYVRKNA AHAIQKLYSL DPEQKEMLIE VIEKLLKDKS TLVAGSVVMA FEEVCPDRID LIHKNYRKLC NLLVDVEEWG QVVIIHMLTR YARTQFVSPW KEGDELEDNG KNFYESDDDQ KEKTDKKKKP YTMDDPHRLL IRNTKPLLQS RNAAVVMABA QLYWHISPKS EAGIISKSLV RLLRSNREVQ YIVLQNIATM SIQRKGMFEP YLKSFYVRST DPTMIKTLKL EILTNLANE NISTLLREFQ TYVKSQDKQF AAATIQTIGR CATNILEVTD TCLNGLVCLL SNRDEIVVAE SVVVIKLLQ MQPAQHGEII KHMAKLLDSI TVPVARASIL WLIGENCERV PKIAPDVLRK MAKSTFSEDD LVKLQILNLG AKLYLTNSKQ TKLLTQYILN LGKYDQNYDI RDRTRFIRQL IVPNVKSGAL SKYAKKIFLA QKPAPLLESP FKDRDHFQLG TLSHTLNIKA TGYLELSNWP EVAPDPSVRN VEVIELAKEW</p>

TPAGKAKQEN SAKKFYSESE EEEDSSDSSS DSESESGSES GEQGESGEEG DSNEDSSSDS
SSEQDSESGR ESGLENKRTA KRNSKAKGKS DSEEDGEKENE KSKTSDSSND ESSSIEDSSS
DSESESEPES ESESRRTKE KEKTKQDRT PLTKDVSLLD LDDFNPVSTP VALPTPALSP
SLMADLEGLH LSTSSSVISV STPAFVPTKT HVLLHRMSGK GLAAHYFFPR QPCIFGDKMV
SIQITLNNTT DRKIENIHIG EKKLPIGMKM HVFNPIDSLE PEGSITVSMG IDFC DSTQTA
SFQLCTKDDC FNVNIQPPVG ELLLPVAMSE KDFKKEQGV L TGMNETSAVI IAAPQNFTPS
VIFQKVVNVA NVGAVPSGQD NIHRFAAKTV HSGSLMLVTV ELKEGSTAQL IINTEKTVIG
SVLLRELKPV LSQG **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:

AP3B1

Alternative Name:

AP3B1 ([AP3B1 Products](#))

Background:

AP-3 complex subunit beta-1 (Adaptor protein complex AP-3 subunit beta-1) (Adaptor-related protein complex 3 subunit beta-1) (Beta-3A-adaptin) (Clathrin assembly protein complex 3 beta-1 large chain),FUNCTION: Subunit of non-clathrin- and clathrin-associated adaptor protein

Target Details

complex 3 (AP-3) that plays a role in protein sorting in the late-Golgi/trans-Golgi network (TGN) and/or endosomes. The AP complexes mediate both the recruitment of clathrin to membranes and the recognition of sorting signals within the cytosolic tails of transmembrane cargo molecules. AP-3 appears to be involved in the sorting of a subset of transmembrane proteins targeted to lysosomes and lysosome-related organelles. In concert with the BLOC-1 complex, AP-3 is required to target cargos into vesicles assembled at cell bodies for delivery into neurites and nerve terminals. {ECO:0000305|PubMed:9151686}.

Molecular Weight:	121.3 kDa
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UniProt:	O00203
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Pathways:	SARS-CoV-2 Protein Interactome
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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.
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Restrictions:	For Research Use only
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Handling

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