

Datasheet for ABIN7551800
ACAP1 Protein (AA 1-740) (His tag)



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Overview

Quantity:	1 mg
Target:	ACAP1
Protein Characteristics:	AA 1-740
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ACAP1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ACAP1 Protein expressed in mammalian cells.
Sequence:	MTVKLDFEEC LKDSPRFRAS IELVEAEVSE LETRLEKLLK LGTGLLESGR HYLAASRAFV VGICDLARLG PPEPMMAECL EKFTVSLNHK LDSHAELLDA TQHTLQQIQ TLVKEGLRGF REARRDFWRG AESLEALTH NAEVPRRRAQ EEEEAGAALR TARAGYRGRA LDYALQINVI EDKRKFDIME FVLRLVEAQA THFQQGHEEL SRLSQYRKEL GAQLHQLVLN SAREKRDMEQ RHVLLKQKEL GGEEPEPSLR EGPGLVMG HLFKRASNAF KTWSRRWFTI QSNQLVYQKK YKDPVTVVVD DLRLCTVKLC PDSERRFCFE VVSTSKSCLL QADSERLLQL WSAVQSSIA SAFSQARLDD SPRGPGQGS HLAIGSAATL GSGGMARGRE PGGVGHVVAQ VQSDGNAQC CDCREPAPEW ASINLGVTLIC IQCSGIHRSL GVHFSKVRSL TLDSWEPELV KLMCELGNVI INQIYEARVE AMAVKKPGPS CSRQEKEAWI HAKYVEKKFL TKLPEIRGRR GGRGRPRGQP PVPPKPSIRP RPGSLRSKPE PPSLDLGS LH PGALLFRASG HPPSLPTMAD ALAHGADVNW VNGGQDNATP LIQATAANSL LACEFLLQNG ANVNQADSAG RGPLHHATIL GHTGLACLFL KRGADLGARD SEGRDPLTIA METANADIVT LLRLAKMREA EAAQQQAGDE TYLDIFRDFS

Product Details

LMASDDPEKL SRRSHDLHTL **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.**

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: ACAP1

Alternative Name: ACAP1 ([ACAP1 Products](#))

Background: Arf-GAP with coiled-coil, ANK repeat and PH domain-containing protein 1 (Centaurin-beta-1) (Cnt-b1),FUNCTION: GTPase-activating protein (GAP) for ADP ribosylation factor 6 (ARF6) required for clathrin-dependent export of proteins from recycling endosomes to trans-Golgi network and cell surface. Required for regulated export of ITGB1 from recycling endosomes to the cell surface and ITGB1-dependent cell migration. {ECO:0000269|PubMed:11062263, ECO:0000269|PubMed:16256741, ECO:0000269|PubMed:17398097, ECO:0000269|PubMed:17664335, ECO:0000269|PubMed:22645133}.

Target Details

Molecular Weight: 81.5 kDa

UniProt: [Q15027](#)

Application Details

Application Notes: We expect the protein to work for functional studies. 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