

Datasheet for ABIN7551931
AFAP Protein (AA 1-730) (His tag)



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Overview

Quantity:	1 mg
Target:	AFAP (AFAP1)
Protein Characteristics:	AA 1-730
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This AFAP protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat AFAP1 Protein expressed in mammalian cells.
Sequence:	MEELIVELRL FLELLDHEYL TSTVREKKAV ITNILLRIQS SKGFDVKDHA QKQETANSLP APPQMPLPEI PQPWLPPDSG PPPLPTSSLP EGYEYEEAVPL SPGKAPEYIT SNYDSDAMSS SYESYDEEEE DGKGGKTRHQ WPSEEASMDL VKDAKICAFI LRKKRFGQWT KLLCVIKDTK LLCYKSSKDQ QPQMEPLPLQG CNITYIPKDS KKKKHELKIT QQGTDPLVLA VQSKEQAEQW LKVIKEAYSG CSGPVDSECP PPPSSPVHKA ELEKKLSSER PSSDGEVVE NGITTCNGKE QVKRKKSSKS EAKGTVSKVT GKKITKIISL GKPKPSTDEQ TSSAEDVPT CGYLNVLNSN RWRERWCRVK DNKLIFHKDR TDLKTHIVSI PLRGCEVIPG LDSKHPLTFR LLRNGQEVAV LEASSSEDMG RWIGILLAET GSSTDPEALH YDIYDVEMSA SVIQTAKQTF CFMNRVISA NPYLGGSNG YAHPSGTALH YDDVPCINGS LKGGKPPVAS NGVTGKGKTL SSQPKKADPA AVVKRTGSNA AQYKYGKNRV EADAKRLQTK EEELLKRKEA LRNRLAQLRK ERKDLRAAIE VNAGRKPQAI LEEKLKQLEE ECRQKEAERV SLELELTVK ESLKKALAGG VTLGLAIEPK

Product Details

SGTSSPQSPV FRHRTLENSP ISSCDTSDTE GPVPVNSAAV LKKSQAAPGS SPCRGHVLRK
AKEWELKNGT **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:

AFAP (AFAP1)

Alternative Name:

AFAP1 ([AFAP1 Products](#))

Background:

Actin filament-associated protein 1 (110 kDa actin filament-associated protein) (AFAP-110),FUNCTION: Can cross-link actin filaments into both network and bundle structures (By similarity). May modulate changes in actin filament integrity and induce lamellipodia formation. May function as an adapter molecule that links other proteins, such as SRC and PKC to the actin cytoskeleton. Seems to play a role in the development and progression of prostate adenocarcinoma by regulating cell-matrix adhesions and migration in the cancer cells. {ECO:0000250, ECO:0000269|PubMed:15485829}.

Molecular Weight:

80.7 kDa

Target Details

UniProt: [Q8N556](#)

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