

Product datasheet

Recombinant Human AFAP protein (denatured)
ab181922

1 Image

Description	
Product name	Recombinant Human AFAP protein (denatured)
Purity	> 80 % SDS-PAGE. ab181922 is purified by using anion-exchange chromatography (DEAE sepharose resin) and gel-filtration chromatography (Sephacryl S-200) with 20mM Tris pH 7.5, 2mM EDTA.
Expression system	Escherichia coli
Accession	<u>AAH32777</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHHSSGLVPRGSHMGCSPVDSECPPPPSS PVHKAEELEKKLSS ERPSSDGEGVVENGITTCNGKEQVKRKKSSKSEAKGTVS KVTGKKITKII SLGKKKPSTDEQTSSAEEDVPTCGYLNVLNSNRWRERW CRVKDNKLIFHK DRTDLKTHVSIPLRGCEVIPGLDCKHPLTFRLLRNGQEVA VLEASSSED MGRWIGILLAETGSSTDPEALHYDYIDVEMSASVIQTAKQT FCFMNRRVI SANPYLGGTSTNGYAHPSGTALHYDDVPCINGSLRGKKPPV ASNGVTGKGK TLSSQPKKADPAAVVKRTGSNAAQYKYGKNRVEADAKRL QTKEEELLKRK EALRNRLAQLRK
Predicted molecular weight	40 kDa including tags
Amino acids	250 to 590
Tags	His tag N-Terminus

Specifications

Our Abpromise guarantee covers the use of **ab181922** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications SDS-PAGE

Form Liquid

Preparation and Storage

Stability and Storage Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 2.4% Urea, 0.32% Tris HCl, 10% Glycerol (glycerin, glycerine)

General Info

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.

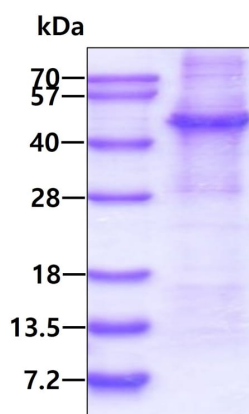
Tissue specificity Low expression in normal breast epithelial cell line MCF-10A and in tumorigenic breast cancer cell lines MCF-7, T-47D and ZR75-1. Highly expressed in the invasive breast cancer cell lines MDA-MB-231 and MDA-MB-435. Overexpressed in prostate carcinoma.

Sequence similarities Contains 2 PH domains.

Post-translational modifications Phosphorylated on tyrosine residues by SRC.

Cellular localization Cytoplasm > cytoskeleton. Localizes with stress fibers in quiescent cells, concentrated in cell motility structures such as lamellipodia, filopodia and membrane ruffles upon their induction.

Images



3ug by SDS-PAGE under reducing conditions and visualized by coomassie blue stain.

SDS-PAGE - Recombinant Human AFAP protein
(denatured) (ab181922)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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