

Product datasheet

Recombinant Human Iba1 protein ab105593

[2 References](#) [1 Image](#)

Description

Product name	Recombinant Human Iba1 protein
Purity	> 95 % SDS-PAGE. ab105593 was 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>P55008</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHSSGLVPRGSHMSQTRDLQGGKAFGLLK AQQEERLDEINKQ FLDDPKYSSDEDLPSKLEGFKEKYMFDLNGNGDIDIMSL KRMLEKLGVP KTHLELKKLIGEVSSGSETFSYPDFLRMMLGKRSAILKMI LMYEEKARE KEKPTGPPAKKAISELP
Predicted molecular weight	19 kDa including tags
Amino acids	1 to 147
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab105593** 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 Mass Spectrometry
Mass spectrometry	MALDI-TOF
Form	Liquid

Preparation and Storage

Stability and Storage

Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

pH: 8.00

Constituents: 0.0308% DTT, 0.316% Tris HCl, 20% Glycerol (glycerin, glycerine), 1.16% Sodium chloride

General Info

Function

Actin-binding protein that enhances membrane ruffling and RAC activation. Enhances the actin-bundling activity of LCP1. Binds calcium. Plays a role in RAC signaling and in phagocytosis. May play a role in macrophage activation and function. Promotes the proliferation of vascular smooth muscle cells and of T-lymphocytes. Enhances lymphocyte migration. Plays a role in vascular inflammation.

Tissue specificity

Detected in T-lymphocytes and peripheral blood mononuclear cells.

Sequence similarities

Contains 2 EF-hand domains.

Post-translational modifications

Phosphorylated on serine residues.

Cellular localization

Cytoplasm > cytoskeleton. Cell projection > ruffle membrane. Associated with the actin cytoskeleton at membrane ruffles and at sites of phagocytosis.

Images



15% SDS-PAGE analysis of 3µg ab105593.

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