

## Product datasheet

# Recombinant Human Iba1 protein ab105593

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

### Description

<b>Product name</b>	Recombinant Human Iba1 protein
<b>Purity</b>	> 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.
<b>Expression system</b>	Escherichia coli
<b>Accession</b>	<b><u>P55008</u></b>
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	<b>MGSSHHHHHSSGLVPRGSHMSQTRDLQGGKAFGLLK</b> AQQEERLDEINKQ FLDDPKYSSDEDLPSKLEGFKEKYMFDLNGNGDIDIMSL KRMLEKLGVP KTHLELKKLIGEVSSGSGETFSYPDFLRMMLGKRSAILKMI LMYEEKARE KEKPTGPPAKKAISELP
<b>Predicted molecular weight</b>	19 kDa including tags
<b>Amino acids</b>	1 to 147
<b>Tags</b>	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.

<b>Applications</b>	SDS-PAGE Mass Spectrometry
<b>Mass spectrometry</b>	MALDI-TOF
<b>Form</b>	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

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### 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.

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## Images

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15% SDS-PAGE analysis of 3µg ab105593.

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

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