

## Product datasheet

# Recombinant Human Iba1 protein ab173043

### Description

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<b>Product name</b>	Recombinant Human Iba1 protein	
<b>Purity</b>	> 95 % SDS-PAGE. Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.	
<b>Endotoxin level</b>	1.000 Eu/µg	
<b>Expression system</b>	Escherichia coli	
<b>Accession</b>	<a href="#">P55008-1</a>	
<b>Protein length</b>	Full length protein	
<b>Animal free</b>	No	
<b>Nature</b>	Recombinant	
<b>Species</b>	Human	
<b>Sequence</b>	MSQTRDLQGGKAFGLLKAQQEERLDEINKQFLDDPKYSS DEDLPSKLEGF KEKYMEFDLNGNGDIDIMSLKRMLEKLGVPKTHLELKKLIG EVSSGSGET FSYPDFLRMMLGKRSAILKMILMYEEKAREKEKPTGPPAK KAISELP	
<b>Predicted molecular weight</b>	18 kDa including tags	
<b>Amino acids</b>	1 to 147	
<b>Tags</b>	His tag C-Terminus	

### Specifications

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Our [Abpromise guarantee](#) covers the use of **ab173043** 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 HPLC
<b>Form</b>	Liquid

### Preparation and Storage

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**Stability and Storage** Shipped on Dry Ice. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 7.40  
Constituent: 100% PBS

Supplied as a 0.2 µm Ø filtered solution.

## General Info

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<b>Function</b>	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.
<b>Tissue specificity</b>	Detected in T-lymphocytes and peripheral blood mononuclear cells.
<b>Sequence similarities</b>	Contains 2 EF-hand domains.
<b>Post-translational modifications</b>	Phosphorylated on serine residues.
<b>Cellular localization</b>	Cytoplasm > cytoskeleton. Cell projection > ruffle membrane. Associated with the actin cytoskeleton at membrane ruffles and at sites of phagocytosis.

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

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- Replacement or refund for products not performing as stated on the datasheet
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