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## Datasheet for ABIN7318148

### Iba1 Protein (His tag)

#### Overview

Quantity:	50 µg
Target:	Iba1 (IBA1)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Iba1 protein is labelled with His tag.

#### Product Details

Purpose:	Recombinant Human AIF1 Protein (His Tag)
Sequence:	Ser2-Pro147
Characteristics:	Recombinant Human Allograft Inflammatory Factor 1 is produced by our E.coli expression system and the target gene encoding Ser2-Pro147 is expressed with a 6His tag at the C-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

#### Target Details

Target:	Iba1 (IBA1)
Alternative Name:	AIF1 ( <a href="#">IBA1 Products</a> )
Background:	Background: Allograft Inflammatory Factor 1 (AIF1) contains two EF-hand domains and exists as a homodimer. AIF1 can be detected in T-lymphocytes and peripheral blood mononuclear

## Target Details

cells. AIF1 functions as actin-binding protein that enhances membrane ruffling and RAC activation and can enhance the actin-bundling activity of LCP1. In addition, AIF1 plays a role in RAC signaling and in phagocytosis and may also in macrophage activation and function. AIF1 promotes the proliferation of vascular smooth muscle cells and of T-lymphocytes and plays a role in vascular inflammation.

Synonym: Allograft Inflammatory Factor 1, AIF-1, Ionized Calcium-Binding Adapter Molecule 1, Protein G1, AIF1, G1, IBA1

Molecular Weight: 17.7 kDa

UniProt: [P55008](#)

Pathways: [Smooth Muscle Cell Migration](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.