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Datasheet for ABIN7504920

Iba1 Protein (AA 2-147) (His tag)

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Overview

Quantity:	100 μg
Target:	Iba1 (IBA1)
Protein Characteristics:	AA 2-147
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Iba1 protein is labelled with His tag.

Product Details

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 of the protein as determined by the LAL method.

Target Details

Target:	Iba1 (IBA1)
Alternative Name:	AIF1 (IBA1 Products)
Background:	Abbreviation: AIF1
	Target Synonym: Allograft Inflammatory Factor 1,AIF-1,Ionized Calcium-Binding Adapter

Molecule 1	.Protein	G1.AIF1	.G1.IBA1

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 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.

Molecular Weight:

Calculated MW: 17.7 kDa

Observed MW: 16 kDa

UniProt:

P55008

Pathways:

Smooth Muscle Cell Migration

Application Details

Restrictions:

For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized from a 0.2 um filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.
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.
Expiry Date:	12 months