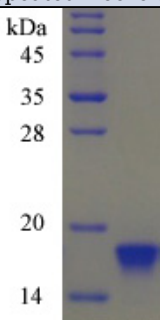


Recombinant Human AIF1 Protein Data Sheet

Catalog #	hRP-Z0669-EF042
Size	100 µg
Protein Name	Homo sapiens allograft inflammatory factor 1
Protein Symbol	AIF1
Original Source	<i>Homo sapiens</i>
Expression System	<i>E.coli</i>
GenBank Accession #	NM_001623.3
Uniprot Accession #	P55008
Description	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.
Application	WB, ELISA, IP, antibody production, protein array
Fusion tag	none
Peptide Length	147aa
Molecular Weight	16.7kDa
pI	6.0
Activity	NA
Storage	Storage buffer: 20mM Tris.Cl, 50mM NaCl, 50% Glycerol, pH8.0. Store at -80°C and avoid repeated freeze-thaw cycles.
	
Reference:	• Allograft inflammatory factor-1 and its immune regulation. • Serum allograft inflammatory factor-1 is a novel marker for diabetic nephropathy. • X-ray structures of the microglia/macrophage-specific protein Iba1 from human and mouse demonstrate novel molecular conformation change induced by calcium binding.

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