

## Recombinant Rat AIF1 Protein (2-147 aa), His-tagged

**Cat. No.** AIF1-1323R    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat AIF1 Protein (2-147 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Neuroscience. Protein Description: Full Length of Mature Protein.
<b>Species</b>	Rat
<b>Source</b>	Yeast
<b>ProteinLength</b>	2-147 aa
<b>Description</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 an 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 (By similarity).
<b>Form</b>	Tris-based buffer,50% glycerol
<b>Molecular Mass</b>	18.7 kDa
<b>AA Sequence</b>	SQSKDLQGGKAFGLLKAQQEERLDGINKHFLDDPKYSSDEDLQSKLEAFKTKYMEF DLNGNGDIDIMSLKRMLEKLGVPKTHLELKKLIREVSSGSEETFSYSDFLRMMLGKR SAILRMILMYEEKNKEHQKPTGPPAKKAISELP
<b>Purity</b>	> 90% as determined by SDS-PAGE.

 Tel: 1-631-559-9269    1-516-512-3133

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<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
<b>Concentration</b>	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.

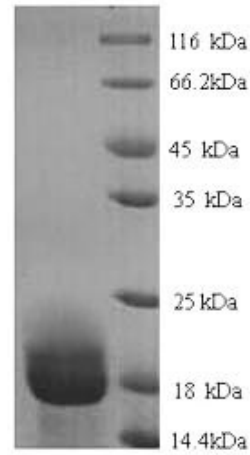
## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Aif1 allograft inflammatory factor 1 [ Rattus norvegicus ]</a>
<b>Official Symbol</b>	<a href="#">AIF1</a>
<b>Synonyms</b>	AIF1; AIF-1; iba1; Bart1; mrf-1;
<b>Gene ID</b>	<a href="#">29427</a>
<b>mRNA Refseq</b>	<a href="#">NM_017196</a>
<b>Protein Refseq</b>	<a href="#">NP_058892</a>
<b>UniProt ID</b>	<a href="#">P55009</a>

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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