

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

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

SPECIFICATION

Product Overview	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.
Species	Rat
Source	Yeast
ProteinLength	2-147 aa
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 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).
Form	Tris-based buffer,50% glycerol
Molecular Mass	18.7 kDa
AA Sequence	SQSKDLQGGKAFGLLKAQQEERLDGINKHFLDDPKYSSDEDLQSKLEAFKTKYMEF DLNGNGDIDIMSLKRMLEKLGVPKTHLELKKLIREVSSGSEETFSYSDFLRMMLGKR SAILRMILMYEEKNKEHQKPTGPPAKKAISELP
Purity	> 90% as determined by SDS-PAGE.

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Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	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.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.

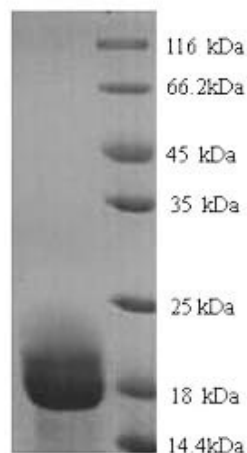
GENE INFORMATION

Gene Name	Aif1 allograft inflammatory factor 1 [Rattus norvegicus]
Official Symbol	AIF1
Synonyms	AIF1; AIF-1; iba1; Bart1; mrf-1;
Gene ID	29427
mRNA Refseq	NM_017196
Protein Refseq	NP_058892
UniProt ID	P55009

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

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