

# Recombinant Rattus norvegicus Allograft inflammatory factor 1

Catalog No: #AP72416

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Package Size: #AP72416-1 20ug #AP72416-2 100ug #AP72416-3 1mg

## Description

Product Name	Recombinant Rattus norvegicus Allograft inflammatory factor 1
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:2-147aaSequence Info:Full Length
Other Names	Ionized calcium-binding adapter molecule 1 MRF-1 Microglia response factor
Accession No.	P55009
Uniprot	P55009
GenID	29427;
Calculated MW	18.7 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	SQSKDLQGGKAFGLLKAQQEERLDGINKHFLDDPKYSSDEDLQSKLEAFKTKYMEFDLNGNGDIDIMSLKRML EKLGVPKTHLELKKLIREVSSGSEETFSYSDFLRMMLGKRSAILRMILMYEKNKEHQKPTGPPAKKAISELP
Formulation	Tris-based buffer50% glycerol
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°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

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).

## References

"The genomic sequence and comparative analysis of the rat major histocompatibility complex."Hurt P., Walter L., Sudbrak R., Klages S., Mueller I., Shiina T., Inoko H., Lehrach H., Guenther E., Reinhardt R., Himmelbauer H.Genome Res. 14:631-639(2004) Research Topic:Neuroscience

Note: This product is for in vitro research use only