

Recombinant Mouse Allograft inflammatory factor 1(Aif1)

Catalog No: #AP70023

Package Size: #AP70023-1 20ug #AP70023-2 100ug #AP70023-3 1mg

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Description

Product Name	Recombinant Mouse Allograft inflammatory factor 1(Aif1)
Host Species	E.coli
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
Accession No.	O70200
Calculated MW	20.8 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	SQSRDLQGGKAFGLLKAQQEERLEGINKQFLDDPKYSNDEDLPKLEAFKVKYMEFDLNGNGDIDIMSLKRML EKLGVPKTHLELRLIREVSSGSEETFSYSDFLRMMLGKRSAILRMILMYEEKNEHKRPTGPPAKKAISELP
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 mbrane 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.

References

X-ray structures of the microglia,macrophage-specific protein Iba1 from human and mouse demonstrate novel molecular conformation change induced by calcium binding.Yamada M., Ohsawa K., Imai Y., Kohsaka S., Kamitori S.J. Mol. Biol. 364:449-457(2006)Research Topic:Others

Note: This product is for in vitro research use only and is not intended for use in humans or animals.