

Allograft Inflammatory Factor 1 Recombinant Protein | AIF1 recombinant protein

Recombinant Human Allograft Inflammatory Factor 1

CATALOG # AAA38736	HOST E Coli
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PRODUCT SYNONYMS

Allograft Inflammatory Factor 1; Recombinant Human Allograft Inflammatory Factor 1; AIF1 Human; Allograft Inflammatory Factor 1 Human Recombinant; AIF-1; Allograft inflammatory factor 1; Em:AF129756.17; G1; IBA1; Ionized calcium-binding adapter molecule 1; IRT-1; Protein G1; AIF1; AIF1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 90% as determined by SDS PAGE.
Form/Format	Filtered and lyophilized from 0.5mg/ml in 20mM Tris buffer and 50mM NaCl pH-7.5. Filtered White lyophilized (freeze-dried) powder.
Sequence	MKHHHHH HASQTR DLQG GKAF&s hy;GLLKAQQ EERLDE­ ;INKQFLDDP KYSSDED&sh y;LPSKLEGF KEKYMEF&sh y;DLNGNGDI DIMSLKRMLE KLGVP KTHLELKKLI GEVSS GSGETFSYP& shy;DFLRMM LGKRSAIL&s hy;KMILMYE EKAREKEK&s hy;PTGPPAK KAISELP
Sequence Length	147
Solubility	Add 0.2 ml of deionized water and let the lyophilized pellet dissolve completely.
Preparation and Storage	For long term, store lyophilized AIF1 at -20 degree C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4 degree C for a limited period of time; it does not show any change after two weeks at 4 degree C.The lyophilized protein remains stable for 24 months when stored at -20 degree C.

ADDITIONAL INFORMATION

Related Product Information for AIF1 recombinant protein	Description: The AIF1 Human Recombinant contains a total of 155 amino acids having a molecular Mass of 17.7kDa. The Human AIF1 is fused to a 9 amino acid long N-terminal His tag. Introduction: Human AIF1 protein shares 98% homology/identity with that of rat. AIF1 is expressed in macrophages and neutrophils. The expression of AIF1 transcripts is upregulated by IFN-g in rat macrophages. AIF1 is expressed selectively in human macrophage-like cell lines, and in a subset of CD68(+) macrophages in the interstitial and perivascular spaces of human heart allografts. In quiescent cultured human vascular smooth muscle cells synthesis of AIF1 is induced by IFN-g, IL1b, and conditioned medium of T-cells. Overexpression of AIF1 in human VSMCs results in enhanced growth of these cells. AIF1 is expressed during apoptosis rat mammary gland and ventral prostate tissues. Allograft Inflammatory Factor 1 is expressed by several tumor-associated activated macrophages and microglial cells in rat and human gliomas. There is an evident relationship of AIF1-expressing activated macrophages and microglial cells with tumor malignancy in humans.
Product Categories/Family for AIF1 recombinant protein	Cytokines and Growth Factors; Cytokines

NCBI AND UNIPROT INFORMATION

NCBI GI #	14574568
NCBI GeneID	199
NCBI Accession #	NP_001614.3

NCBI GenBank Nucleotide #	NM_001623.3
UniProt Accession #	P55008 ; O43904 ; Q9UIV4 ; Q9UKS9 ; A8K406
Molecular Weight	14,617 Da
NCBI Official Full Name	allograft inflammatory factor 1 isoform 3
NCBI Official Synonym Full Names	allograft inflammatory factor 1
NCBI Official Symbol	AIF1
NCBI Official Synonym Symbols	IBA1; IRT1; AIF-1; IRT-1
NCBI Protein Information	allograft inflammatory factor 1; allograft inflammatory factor-1 splice variant Hara-1; interferon gamma responsive transcript; ionized calcium-binding adapter molecule 1; protein G1
UniProt Protein Name	Allograft inflammatory factor 1
UniProt Gene Name	AIF1
UniProt Synonym Gene Names	G1; IBA1; AIF-1
UniProt Entry Name	AIF1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/aif1-recombinant-protein-e-coli/38736>