

Recombinant Human Allograft Inflammatory Factor 1, His-tagged

Cat. No. AIF1-6900H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human AIF1, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques. MW: 18.9 kDa.
Species	Human
Source	E.coli
ProteinLength	1-147aa
Description	AIF1 (Allograft inflammatory factor 1) is induced by cytokines and interferon. This protein is thought to be involved in negative regulation of growth of vascular smooth muscle cells, which contributes to the anti-inflammatory response to vessel wall trauma. AIF1 is a cytoplasm, calcium-binding protein whose expression in transplanted human hearts correlates with rejection and development of coronary artery vasculopathy (CAV).
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 20% glycerol, 200mM NaCl.
Molecular Mass	18.9 kDa (167aa), confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MSQTRDLQGG KAFGLLKAQQ EERLDEINKQ FLDDPKYSSD EDLPSKLEGF KEKYMFDLN GNGDIDIMSL KRMLEKLGVP KTHLELKKLI GEVSSGSGET FSYPDFLRMM LGKRSAILKM ILMYEEKARE

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	KEKPTGPPAK KAISELP
Purity	>95% by SDS-PAGE
Applications	SDS-PAGE
Storage	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	AIF1 allograft inflammatory factor 1 [Homo sapiens]
Official Symbol	AIF1
Synonyms	AIF1; allograft inflammatory factor 1; AIF 1; Em:AF129756.17; IBA1; interferon gamma responsive transcript; ionized calcium binding adapter molecule 1; IRT 1; protein G1; ionized calcium-binding adapter molecule 1; allograft inflammatory factor-1 splice variant Hara-1; IRT1; AIF-1; IRT-1;
Gene ID	199
mRNA Refseq	NM_001623
Protein Refseq	NP_001614
MIM	601833
UniProt ID	P55008

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



Chromosome Location	6p21.3
Function	actin filament binding; calcium ion binding; calcium ion binding;

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA