

Product information

AIF1, 1-147 aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1006

Full name: Allograft inflammatory factor 1

NCBI Accession No.: NP_001614

Synonyms: AIF-1, IBA1, IRT-1, IRT1

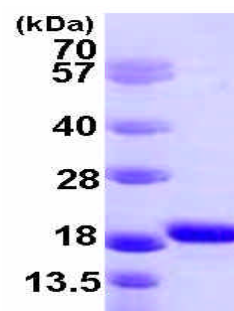
Description: AIF1 (Allograft inflammatory factor 1) is induced by cytokines and interferon. This protein is thought to be involved in negative regulation of growth of vascular smooth muscle cells, which contributes to the anti-inflammatory response to vessel wall trauma. AIF1 is a cytoplasm, calcium-binding protein whose expression in transplanted human hearts correlates with rejection and development of coronary artery vasculopathy (CAV). Recombinant human AIF1, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 20% glycerol, 200mM NaCl

Molecular Weight: 18.9kDa (167aa), confirmed by MALDI-TOF

Purity: > 95% by SDS - PAGE

Concentration: 0.5 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MSQTRDLQGG KAFGLLKAQQ EERLDEINKQ FLDDPKYSSD EDLPSKLEGF KEKYMFDLN GNGDIDIMSL
KRMLEKLGVP KTHLELKKLI GEVSSGSGET FSYPDFLRMM LGKRSAILKM ILMYEEKARE KEKPTGPPAK KAISELP

General references:

Kelemen S.E., *et al* (2005) *Am. J. Pathol.* 167:619-626

Schulze J.O., *et al.* (2008) *FEBS J.* 275:4627-4640

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.