

Recombinant human AIF-1/Iba1 protein

Catalog Number: ATGP1006

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-147aa

UniProt No.

P55008

NCBI Accession No.

NP_001614

Alternative Names

Allograft inflammatory factor 1, AIF-1, IBA1, IRT-1, IRT1

PRODUCT SPECIFICATION

Molecular Weight

18.9 kDa (167aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

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

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

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

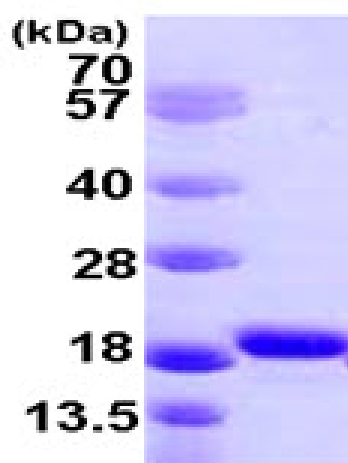
General References

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

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

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)