# NKMAXBIO We support you, we believe in your research

### 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.



# NKMAXBio We support you, we believe in your research

## Recombinant human AIF-1/Iba1 protein

Catalog Number: ATGP1006

### **Amino acid Sequence**

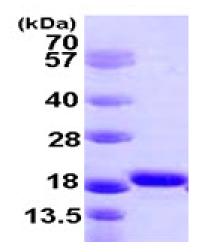
MGSSHHHHHH SSGLVPRGSH MSQTRDLQGG KAFGLLKAQQ EERLDEINKQ FLDDPKYSSD EDLPSKLEGF KEKYMEFDLN GNGDIDIMSL KRMLEKLGVP KTHLELKKLI GEVSSGSGET FSYPDFLRMM LGKRSAILKM ILMYEEKARE KEKPTGPPAK KAISELP

#### **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**



15% SDS-PAGE (3ug)

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

