

# Recombinant human AIF1L protein

Catalog Number: ATGP0879

## PRODUCT INFORMATION

### Expression system

E.coli

### Domain

1-150aa

### UniProt No.

Q9BQI0

### NCBI Accession No.

NP\_113614

### Alternative Names

Allograft inflammatory factor 1-like isoform 1, C9orf58, FLJ12783, IBA2, MGC29466

## PRODUCT SPECIFICATION

### Molecular Weight

19.2 kDa (170aa) confirmed by MALDI-TOF

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol 0.1M NaCl, 1mM DTT

### 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

AIF1L, also known as allograft inflammatory factor 1-like, is a cytoplasmic, cytokine-induced, calcium-binding protein first discovered in rat cardiac allografts with chronic rejection. This protein is a marker of human microglia and is expressed by macrophages in injured skeletal muscle and regulates reduced proliferation and differentiation of satellite cells. Recombinant human AIF1L protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

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### Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MSGELSNRFQ GGKAFGLLKA RQERRLAEIN REFLCDQKYS DEENLPEKLT AFKEKYMED  
LNNEGEIDL SLKRMMELG VPKTHLEMKK MISEVTGGVS DTISYRDFVN MMLGKRSVL KLVMMFEGKA NESSPKVGP  
PPERDIASLP

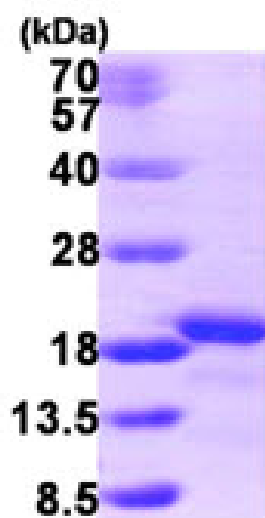
### General References

utans u, et al. (1995). J. Clin. Invest., 95: 2954-2962

Deininger M.H., et al. (2000). Acta Neuropathol., 100: 673-680

## DATA

### SDS-PAGE



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

15% SDS-PAGE (3ug)