



## Allograft Inflammatory Factor 1 Like, His Tag, human recombinant

**Catalog No:** 97401  
**Lot No:** XXXXX  
**Source:** *E. coli*  
**Synonyms:** Allograft Inflammatory Factor 1-like, IBA2, FLJ12783, Ionized calcium-binding adapter molecule 2, C9orf58, chromosome 9 open reading frame 58, MGC29466

### Background

AIF1L is a cytoplasmic, cytokine-induced, calcium-binding protein which was discovered in rat cardiac allografts with chronic rejection. AIF1L 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.

### Description

AIF1L produced in *E. coli* is a single, non-glycosylated polypeptide chain containing 170 amino acids (1-150) and having a molecular mass of 19.2 kDa. AIF1L is fused to a 20 amino acid His Tag at the N-terminus and purified by proprietary chromatographic techniques.

### Physical Appearance

Sterile filtered clear solution.

### Formulation

The AIF1L protein solution (1 mg/1 ml) is formulated in 20 mM Tris-HCl buffer (pH 8.0) 1 mM DTT, 0.1 mM NaCl and 20% glycerol.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.

### Purity

Greater than 95% as determined by SDS-PAGE.

### Amino Acid Sequence

```
MGSSHHHHHH SSGLVPRGSH MSGELSNRFQ GGKAFGLLKA RQERRLAEIN REFLCDQKYS DEENLPEKLT AFKEKYMEF'D  
LNNEGEIDL MSLKRMMEKLG VPKTHLEMKK MISEVTGGVS DTISYRDFVN MMLGKRSAVL KLVMMFEGKA NESSPKPVGP  
PPERDIASLP
```

### Usage

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**CONTACT US TODAY**

BIOMOL GmbH • Kieler Straße 303a • 22525 Hamburg • Germany • info@biomol.de • www.biomol.de

Fon: +49 (0)40-853 260 0 • TOLL FREE IN GERMANY: Fon: 0800-246 66 51