

## AIF1L Human

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

**Catalog #:** CYPs-014

For research use only.

**Synonyms:** Allograft Inflammatory Factor 1-like, IBA2, FLJ12783, Ionized calcium-binding adapter molecule 2, C9orf58, chromosome 9 open reading frame 58, MGC29466.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered clear solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MSGELSNRFQ GGKAFGLLKA  
RQERRLAIEIN REFLCDQKYS DEENLPEKLT AFKEKYMEDF LNNEGEIDLM SLKRMMEKLG  
VPKTHLEMKK MISEVTGGVS DTISYRDFVN MMLGKRSAVL KLVMMFEGKA NESSPKPVG  
PPERDIASLP.

**Purity:** Greater than 95% as determined by SDS-PAGE.

### Formulation:

The AIF1L protein solution (1mg/1ml) is formulated in 20mM Tris-HCl buffer (pH8.0), 1mM DTT, 0.1mM NaCl and 20% glycerol.

### Usage:

NeoBiolabs products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Introduction:

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.

### Storage:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

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