
Product Data Sheet

Product Name: AIF1L Human
 Cat. No.: GP20029
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Allograft Inflammatory Factor 1-like; IBA2; FLJ12783; Ionized calcium-binding adapter molecule 2; C9orf58; chromosome 9 open reading frame 58; MGC29466.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MSGELSNRFQ GGKAFGLLKA RQERRLAIEIN REFLCDQKYS DEENLPEKLT AFKEKYMEFD LNNEGEIDLM SLKRMMEKLG VPKTHLEMKK MISEVTGGVS DTISYRDFVN MMLGKRSAVL KLVMMFEGKA NESSPKPVG PPERDIASLP.		
Formulation	The AIF1L protein solution (1mg/1ml) is formulated in 20mM Tris-HCl buffer (pH8.0), 1mM DTT, 0.1mM NaCl and 20% glycerol.		

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.

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. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

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.

Caution: Product has not been fully validated for medical applications. For research use only.

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