

Recombinant Human AIF1 Protein (His Tag)

Catalog Number:PDEH100002



Note: Centrifuge before opening to ensure complete recovery of vial contents.

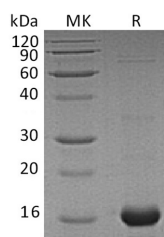
Description

Synonyms	Allograft Inflammatory Factor 1;AIF-1;Ionized Calcium-Binding Adapter Molecule 1;Protein G1;AIF1;G1;IBA1
Species	Human
Expression Host	E.coli
Sequence	Ser2-Pro147
Accession	P55008
Calculated Molecular Weight	17.7 kDa
Observed molecular weight	16 kDa
Tag	C-His

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed man
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 90 % as determined by reducing SDS-PAGE.

Background

Allograft Inflammatory Factor 1 (AIF1) contains two EF-hand domains and exists as a homodimer. AIF1 can be detected in T-lymphocytes and peripheral blood mononuclear cells. AIF1 functions as actin-binding protein that enhances membrane ruffling and RAC activation and can enhance the actin-bundling activity of LCP1. In addition, AIF1 plays a role in RAC signaling and in phagocytosis and may also in macrophage activation and function. AIF1 promotes the proliferation of vascular smooth muscle cells and of T-lymphocytes and plays a role in vascular inflammation.

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