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## Recombinant Human AIF-1 Protein

Catalog Number: [230-00855](#)

Data Sheet / Certificate of Analysis (CoA)

Last Revised: 05/21/2025

### Source

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<b>Species</b>	Human
<b>Accession Number</b>	P55008-1
<b>Gene Symbols</b>	AIF1
<b>Synonyms</b>	AIF-1, Allograft Inflammatory Factor 1, Ionized Calcium-Binding Adapter Molecule 1, Interferon Gamma Responsive Transcript, Protein G1, AIF-1, IBA1, Allograft Inflammatory Factor-1 Splice Variant Hara-1, IRT-1, IRT1, G1
<b>Expressed Region</b>	Ser2-Pro147

### Preparation

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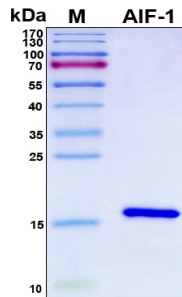
<b>Expression System</b>	E. coli
<b>Tag</b>	N-terminal 6x histidine tag
<b>Purity</b>	>95%
<b>Molecular Weight</b>	17 kDa

### Specifications

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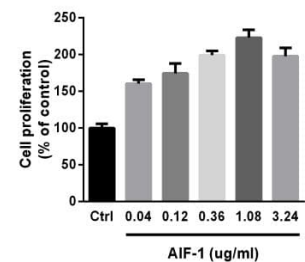
<b>Format</b>	Lyophilized powder
<b>Formulation</b>	Lyophilized from a 0.45 ?m filtered solution in 1x PBS (pH 7.4).
<b>Concentration</b>	Determined by Bio-Rad protein assay dye reagent concentrate.
<b>Reconstitution</b>	Briefly spin the vial and bring the contents to the bottom prior to opening. It is recommended to reconstitute at 0.5~1.0 mg/mL with sterile deionized water.

## SDS-PAGE Image



## Activity

Stimulating cell growth significantly in a dose-dependent manner. Measured in a cell proliferation assay using A549 human lung carcinoma cells.



## Shipping

The lyophilized product is shipped at ambient temperature. Upon arrival, immediately store it using the recommendations below.

## Storage/Stability

- Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
- Upon arrival, the lyophilized protein may be stored for 2 weeks at 4°C.
- For long term storage, it is recommended to store desiccated below -20°C in a manual defrost freezer.
- Generally, the shelf life is up to 12 months from date of receipt at -20°C or -80°C under sterile conditions.
- Following reconstitution, the protein may be stored for 2 weeks under sterile conditions at -20°C. For long term storage, it is recommended to make appropriate aliquots at -20°C or -80°C.