

## Recombinant Mouse Atpif1 Protein, MYC/DDK-tagged

Cat. No. Atpif1-677M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of full-length mouse ATPase inhibitory factor 1 (Atpif1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	This gene encodes a member of the ATPase inhibitor family of proteins. This protein has been shown to negatively regulate the ATP hydrolysis activity of the F1Fo-ATPase. Knockdown of this gene is associated with reduced heme synthesis in differentiating erythroid cells. Misregulation of this gene has been found to lead to increased aerobic glycolysis in mouse cancer cells, while high expression levels of this gene have been correlated with gastric and liver cancer severity in human patients. A pseudogene of this gene has been identified.
<b>Molecular Mass</b>	12.2 kDa
<b>Purity</b>	>80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method

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**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

**Gene Name** [Atpif1 ATPase inhibitory factor 1 \[ Mus musculus \(house mouse\) \]](#)

**Official Symbol** [Atpif1](#)


**Synonyms** [Atpif1](#); ATPase inhibitory factor 1; If1; Atpi; IF(1); ATP5IF1; ATPase inhibitor, mitochondrial; ATP synthase F1 subunit epsilon; inhibitor of F(1)F(o)-ATPase

**Gene ID** [11983](#)

**mRNA Refseq** [NM\\_007512](#)

**Protein Refseq** [NP\\_031538](#)

**UniProt ID** [O35143](#)

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