Recombinant Mouse Atpif1 Protein, MYC/DDK-tagged

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

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse ATPase inhibitory factor 1 (Atpif1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	12.2 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>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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