Recombinant Mouse ATPIF1 protein, His-tagged

Cat. No. ATPIF1-2180M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse ATPIF1 protein(Met1~His106)(NP_031538.2) fused to His-tag at N-terminus, was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1~His106
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.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	16kDa(Analysis of differences refer to the manual)
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	>95% as determined by SDS-PAGE.

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Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	ATPIF1
Official Symbol	ATPIF1
Synonyms	IP; ATPI; ATPIP; ATPase Inhibitor Protein; ATP Synthase Inhibitor Protein; Inhibitor of F(1)F(o)-ATPase
Gene ID	11983
mRNA Refseq	NM_007512.4
Protein Refseq	NP_031538.2
UniProt ID	O35143

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