

## Recombinant Mouse Atp1b1 Protein, His-tagged

Cat. No. Atp1b1-462M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Atp1b1(Thr53~Ser304) fused with His tag at N-terminal was expressed in E. coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Thr53~Ser304
<b>Description</b>	This gene encodes an integral membrane protein that comprises a subunit of an ATP-metabolizing enzyme responsible for transporting sodium and potassium ions across the plasma membrane. This enzyme regulates the electrochemical gradient of these ions in cells, and plays a central role in osmoregulation and signal transmission in nerves and muscles, among other biological processes. The encoded protein is the non-catalytic beta subunit; it works together with a catalytic alpha subunit and a gamma subunit.
<b>Form</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Molecular Mass</b>	30.7kDa
<b>Endotoxin</b>	<1.0EU per 1g (determined by the LAL method)
<b>Purity</b>	> 98%

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<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein.
<b>Stability</b>	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 centigrade 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.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Reconstitution</b>	Reconstitute in PBS or others.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Atp1b1 ATPase, Na<sup>+</sup>/K<sup>+</sup> transporting, beta 1 polypeptide [ Mus musculus ]</a>
<b>Official Symbol</b>	<a href="#">Atp1b1</a>
<b>Synonyms</b>	ATP1B1; ATPase, Na <sup>+</sup> /K <sup>+</sup> transporting, beta 1 polypeptide; sodium/potassium-transporting ATPase subunit beta-1; sodium/potassium ATPase beta subunit; sodium/potassium-dependent ATPase subunit beta-1; Atpb; Atpb-1;
<b>Gene ID</b>	<a href="#">11931</a>
<b>mRNA Refseq</b>	<a href="#">NM_009721</a>
<b>Protein Refseq</b>	<a href="#">NP_033851</a>

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