

Recombinant Mouse Atp1b1 Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Mouse Atp1b1(Thr53~Ser304) fused with His tag at N-terminal was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Thr53~Ser304
Description	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.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	30.7kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 98%

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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 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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Atp1b1 ATPase, Na+/K+ transporting, beta 1 polypeptide [Mus musculus]
Official Symbol	Atp1b1
Synonyms	ATP1B1; ATPase, Na+/K+ 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;
Gene ID	11931
mRNA Refseq	NM_009721
Protein Refseq	NP_033851

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA