

Recombinant Mouse Atp1b1 Protein, His-tagged

Atp1b1-462M Mouse

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.

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.

Source E. coli

Species Mouse

Tag His

Form PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Molecular Mass 30.7kDa

Protein length Thr53~Ser304

Endotoxin <1.0EU per 1µg (determined by the LAL method)

Purity >98%

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](#)

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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](#)

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