

Recombinant Human ATP1B1 protein(Glu63-Ser303), His-tagged

Cat. No. ATP1B1-1071H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ATP1B1 (P05026-1) (Glu63-Ser303) was expressed in HEK293 with an N-terminal polyhistidine tag.
Species	Human
Source	HEK293
ProteinLength	Glu63-Ser303
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant human ATP1B1 comprises 261 amino acids and has a predicted molecular mass of 30.4 kDa. The apparent molecular mass of the protein is approximately 40-47 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [ATP1B1 ATPase, Na+/K+ transporting, beta 1 polypeptide \[Homo sapiens \]](#)

Official Symbol [ATP1B1](#)

Synonyms ATP1B1; ATPase, Na+/K+ transporting, beta 1 polypeptide; ATP1B; sodium/potassium-transporting ATPase subunit beta-1; adenosinetriphosphatase; Na, K-ATPase beta-1 polypeptide; Beta 1-subunit of Na(+),K(+)-ATPase; sodium/potassium-dependent ATPase beta-1 subunit; sodium/potassium-transporting ATPase beta-1 chain; MGC1798;

Gene ID [481](#)

mRNA Refseq [NM_001677](#)

Protein Refseq [NP_001668](#)

MIM [182330](#)

UniProt ID [P05026](#)

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