Recombinant Human ATP11B Protein, His-tagged

Cat. No. ATP11B-262H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ATP11B Protein (Gln78-Asn323) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Gln78-Asn323
Description	P-type ATPases, such as ATP11B, are phosphorylated in their intermediate state and drive uphill transport of ions across membranes. Several subfamilies of P-type ATPases have been identified. One subfamily transports heavy metal ions, such as Cu(2+) or Cd(2+). Another subfamily transports non-heavy metal ions, such as H(+), Na(+), K(+), or Ca(+). A third subfamily transports amphipaths, such as phosphatidylserine.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 31.3 kDa Accurate Molecular Mass: 33 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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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.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	ATP11B ATPase, class VI, type 11B [Homo sapiens (human)]
Official Symbol	ATP11B
Synonyms	ATP11B; ATPase, class VI, type 11B; ATPase, Class VI, type 11B; probable phospholipid-transporting ATPase IF; ATPIF; ATPIR; KIAA0956; ATPase IR; MGC46576; DKFZp434J238; DKFZp434N1615
Gene ID	23200
mRNA Refseq	NM_014616
Protein Refseq	NP_055431
MIM	605869
UniProt ID	Q9Y2G3

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