

## Recombinant Human ATP12A Protein, His-tagged

Cat. No. ATP12A-263H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human ATP12A Protein (Met1-Pro102) with N-His tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Met1-Pro102
<b>Description</b>	The protein encoded by this gene belongs to the family of P-type cation transport ATPases. This gene encodes a catalytic subunit of the ouabain-sensitive H <sup>+</sup> /K <sup>+</sup> - ATPase that catalyzes the hydrolysis of ATP coupled with the exchange of H <sup>(+)</sup> and K <sup>(+)</sup> ions across the plasma membrane. It is also responsible for potassium absorption in various tissues. Two transcript variants encoding different isoforms have been found for this gene.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 15.3 kDa Accurate Molecular Mass: 15 kDa
<b>Purity</b>	> 90%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

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<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>Storage Buffer</b>	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	ATP12A ATPase, H+/K+ transporting, nongastric, alpha polypeptide [ Homo sapiens (human) ]
<b>Official Symbol</b>	ATP12A
<b>Synonyms</b>	ATP12A; ATPase, H+/K+ transporting, nongastric, alpha polypeptide; ATP1AL1, ATPase, Na+/K+ transporting, alpha polypeptide like 1; potassium-transporting ATPase alpha chain 2; ATPase; Na+K+ transporting; alpha 1 polypeptide like; non gastric H(+)/K(+) ATPase alpha subunit; potassium transporting ATPase alpha chain 2; proton pump; sodium/potassium ATPase; alpha polypeptide like; non-gastric H(+)/K(+) ATPase alpha subunit; non-gastric H(+)/K(+) ATPase subunit alpha; ATPase, Na+/K+ transporting, alpha polypeptide-like 1; ATP1AL1
<b>Gene ID</b>	479
<b>mRNA Refseq</b>	NM_001185085

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<b>Protein Refseq</b>	NP_001172014
<b>MIM</b>	182360
<b>UniProt ID</b>	P54707

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