

Recombinant Human ATP12A Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human ATP12A Protein (Met1-Pro102) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Pro102
Description	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 ⁺ /K ⁺ - ATPase that catalyzes the hydrolysis of ATP coupled with the exchange of H(+) and K(+) 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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 15.3 kDa Accurate Molecular Mass: 15 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	ATP12A ATPase, H+/K+ transporting, nongastric, alpha polypeptide [Homo sapiens (human)]
Official Symbol	ATP12A
Synonyms	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
Gene ID	479
mRNA Refseq	NM_001185085

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Protein Refseq	NP_001172014
MIM	182360
UniProt ID	P54707

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