

Recombinant Human ATP1A1 protein, GST-tagged

Cat. No. ATP1A1-301593H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ATP1A1 (347-680 aa) protein, fused to GST tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Thr347-Asp680
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization.
AA Sequence	TAKRMARKNCLVKNLEAVETLGSTSTICSDKTGTLTQNRMTVAHMWFDNQIHEADT TENQSGVVSFDKTSATWLALSRIAGLCNRAVFQANQENLPILKRAVAGDASESALLKCI ELCCGSVKEMRERYAKIVEIPFNSTNKYQLSIHKNPNTSEPQHLLVMKGAPERILDRC SSILLHGKEQPLDEELKDAFQAYLELGGGLGERVLGFCHLFLPDEQFPEGFQFDTDD VNFPIDNLFCVGLISMIDPPRAAVPDAVGKCRSAGIKVIMVTGDHPITAKAIAKGVGIIS EGNETVEDIAARLNIPVSQVNPVPRDAKACVVHGSDLKDMTSEQLDD
Purity	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Stability	Store for up to 12 months at -20°C to -80°C as lyophilized powder.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks).

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Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

GENE INFORMATION

Gene Name [ATP1A1 ATPase, Na⁺/K⁺ transporting, alpha 1 polypeptide \[Homo sapiens \]](#)

Official Symbol [ATP1A1](#)

Synonyms

ATP1A1; ATPase, Na⁺/K⁺ transporting, alpha 1 polypeptide; sodium/potassium-transporting ATPase subunit alpha-1; sodium pump 1; Na⁺/K⁺ ATPase 1; Na,K-ATPase alpha-1 subunit; sodium pump subunit alpha-1; Na⁺, K⁺ ATPase alpha subunit; Na(+)/K(+) ATPase alpha-1 subunit; Na, K-ATPase, alpha-A catalytic polypeptide; sodium-potassium-ATPase, alpha 1 polypeptide; Na,K-ATPase catalytic subunit alpha-A protein; MGC3285; MGC51750;

Gene ID [476](#)

mRNA Refseq [NM_000701](#)

Protein Refseq [NP_000692](#)

MIM [182310](#)

UniProt ID [P05023](#)

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