

Recombinant Human ATP1A2 protein, GST-tagged

Cat. No. ATP1A2-366H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ATP1A2 protein(NP_000693)(347-700 aa), fused to GST tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	347-700 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.). 5 % trehalose and 5 % mannitol are added as protectants before lyophilization.
AA Sequence	KRMARKNCLVKNLEAVETLGSTSTICSDKTGTLTQNRMTVAHMFWDNQIHEADTTE DQSGATFDKRSPTWTALSRIAGLCNRAVFKAGQENISVSKRDTAGDASESALLKCIE LSCGSVRKMRDRNPKVAEIPFNSTNKYQLSIHEREDSPQSHVLVMKGAPERILDRCS TILVQGKEIPLDKEMQDAFQNAYMELGGLGERVLGFCQLNLP SGKFPRGFKFDTDEL NFPTEKLCLFVGLMSMIDPPRAAVPDAVGKCRSAGIKVIMVTGDHPITAKAIAGVGIIS EGNETVEDIAARLNIPMSQVNPREAKACVVHGS DLKDMTSEQLDEILKNHTEIVFART SPQQKLIIVE
Purity	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer

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containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

Reconstitution

Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage.
Reconstitution with 200 µl 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details).

GENE INFORMATION

Gene Name [ATP1A2 ATPase, Na+/K+ transporting, alpha 2 polypeptide \[Homo sapiens \]](#)

Official Symbol [ATP1A2](#)

Synonyms

ATP1A2; ATPase, Na+/K+ transporting, alpha 2 polypeptide; ATPase, Na+/K+ transporting, alpha 2 (+) polypeptide , MHP2, migraine, hemiplegic 2; sodium/potassium-transporting ATPase subunit alpha-2; FHM2; sodium-potassium ATPase; sodium pump subunit alpha-2; Na(+)/K(+) ATPase alpha-2 subunit; Na+/K+ ATPase, alpha-B polypeptide; Na+/K+ ATPase, alpha-A(+) catalytic polypeptide; sodium/potassium-transporting ATPase alpha-2 chain; MHP2; MGC59864;

Gene ID [477](#)

mRNA Refseq [NM_000702](#)

Protein Refseq [NP_000693](#)

MIM [182340](#)

UniProt ID [P50993](#)

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SDS-PAGE



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