

## Recombinant Human ATP1A2 protein, GST-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human ATP1A2 protein(NP_000693)(347-700 aa), fused to GST tag, was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	347-700 aa
<b>Form</b>	The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.). 5 % trehalose and 5 % mannitol are added as protectants before lyophilization.
<b>AA Sequence</b>	KRMARKNCLVKNLEAVETLGSTSTICSDKTGTLTQNRMTVAHMWFDNQIHEADTTE DQSGATFDKRSPTWTALSRIAGLCNRAVFKAGQENISVSKRDTAGDASESALLKCIE LSCGSVRKMRDRNPKVAEIPFNSTNKYQLSIHEREDSPQSHVLMKGAPEIRILDRCS TILVQGKEIPLDKEMQDAFNAYMELGGLGERVLGFCQLNLP SGKFP RGFKFDTDEL NFPTEKLCFVGLMSMIDPPRAAVPDAVGKCRSAGIKVIMVTGDHPITAKAIKGVGIIS EGNETVEDIAARLNIPMSQVNPREAKACVVHGSDLKDMTSEQLDEILKNHTEIVFART SPQQKLIIVE
<b>Purity</b>	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
<b>Storage</b>	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 g/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<sup>+</sup>/K<sup>+</sup> transporting, alpha 2 polypeptide [ Homo sapiens ]

**Official Symbol**

ATP1A2

**Synonyms**

ATP1A2; ATPase, Na<sup>+</sup>/K<sup>+</sup> transporting, alpha 2 polypeptide; ATPase, Na<sup>+</sup>/K<sup>+</sup> 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<sup>(+)</sup>/K<sup>(+)</sup> ATPase alpha-2 subunit; Na<sup>+</sup>/K<sup>+</sup> ATPase, alpha-B polypeptide; Na<sup>+</sup>/K<sup>+</sup> 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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