

Recombinant Human ATP1A3 protein, His-tagged

Cat. No. ATP1A3-3253H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ATP1A3 protein(378-580 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	378-580 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	VAHMFWDNQIHEADTTEDQSGTSFDKSSHTWVALSHIAGLCNRAVFKGGQDNIPVL KRDVAGDASESALLKCIELSSGSVKLMRERNKKVAEIPFNSTNKYQLSIHETEDPND NRYLLVMKGAPERILDR CSTILLQGKEQPLDEEMKEAFQ NAYLELGG LGERVLGFCH YYLPEEQFPKGFAFDCDDVNFTTDNLCFVGLMS
Purity	95%, 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 containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

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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.

GENE INFORMATION
Gene Name

ATP1A3 ATPase, Na⁺/K⁺ transporting, alpha 3 polypeptide [Homo sapiens]

Official Symbol

ATP1A3

Synonyms

ATP1A3; ATPase, Na⁺/K⁺ transporting, alpha 3 polypeptide; dystonia 12 , DYT12; sodium/potassium-transporting ATPase subunit alpha-3; Na⁺/K⁺ ATPase 3; sodium pump subunit alpha-3; Na⁽⁺⁾/K⁽⁺⁾ ATPase alpha-3 subunit; Na⁽⁺⁾/K⁽⁺⁾ ATPase alpha(III) subunit; sodium-potassium-ATPase, alpha 3 polypeptide; sodium/potassium-transporting ATPase alpha-3 chain; RDP; DYT12; MGC13276;

Gene ID

478

mRNA Refseq

NM_001256213

Protein Refseq

NP_001243142

MIM

182350

UniProt ID

P13637

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