Recombinant Human ATP2A1 Protein, His-tagged

Cat. No. ATP2A1-10010H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ATP2A1 Protein(1-46 aa), fused with His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	561-635 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	RCNYVRVGTTRVPLTGPVKEKIMAVIKEWGTGRDTLRCLALATRDTPPKREEMVLD DSARFLEYETDLTFVGVVG
Purity	85%, 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.
Reconstitution	Reconstitute at 0.25 ḡ/μl in 200 μl sterile water for short-term storage. Reconstitution with 200 μl 50% glycerol solution is recommended for longer term

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	storage.

GENE INFORMATION

Gene Name	ATP2A1 ATPase, Ca++ transporting, cardiac muscle, fast twitch 1 [Homo sapiens]
Official Symbol	ATP2A1
Synonyms	ATP2A1; ATPase, Ca++ transporting, cardiac muscle, fast twitch 1; ATP2A; sarcoplasmic/endoplasmic reticulum calcium ATPase 1; SERCA1; calcium pump 1; SR Ca(2+)-ATPase 1; endoplasmic reticulum class 1/2 Ca(2+) ATPase; calcium-transporting ATPase sarcoplasmic reticulum type, fast twitch skeletal muscle isoform
Gene ID	487
mRNA Refseq	NM_004320
Protein Refseq	NP_004311
MIM	108730
UniProt ID	O14983

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