

Recombinant Human ATP1A1 protein, His-Myc-tagged

Cat. No. ATP1A1-4627H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ATP1A1 protein(P05023)(339-772 aa), fused with N-terminal His tag and C-terminal Myc tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	339-772 aa
Form	For liquid formulations, the standard storage buffer consists of a Tris or PBS based solution supplemented with 5-50% glycerol. When provided as lyophilized powder, the product undergoes freeze-drying from a Tris- or PBS-based formulation containing 6% trehalose, adjusted to pH 8.0 prior to the lyophilization process.
Molecular Mass	54.6 kDa
AASequence	TVTVCLTLTAKRMARKNCLVKNLEAVETLGSTSTICSDKTGTLTQNRMTVAHMFWD NQIHEADTTENQSGVSFDKTSATWLALSRIAGLCNRAVFQANQENLPILKRAVAGDA SESALLKCIELCCGSVKEMRERYAKIVEIPFNSTNKYQLSIHKNPNTSEPQHLLVMKG APERILDRCSSILLHGKEQPLDEELKDAFQNAVLELGGGLGERVLGFCHLFLPDEQFPE GFQFDTDDVNFIDNLCFVGLISMIDPPRAAVPDAVGKCRSAGIKVIMVTGDHPITAK AIAKGVGIISEGNETVEDIAARLNIPVSQVNPRDAKACVVHGSDLKDMTSEQLDDILKY HTEIVFARTSPQQKLIIVEGCQRQGAIVAVTGDGVNDSPALKKADIGVAMGIAGSDVS KQAADMILLDDNFASIVTGVEEGRLIFDNL

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Purity	Greater than 90% as determined by SDS-PAGE.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Reconstitution	Please reconstitute protein indeionized sterile water to a concentration of 0.1-1.0 mg/mL. Aliquot for long-term storage at -80°C.

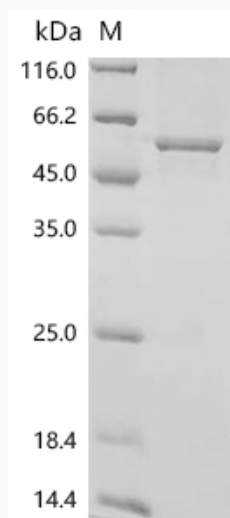
GENE INFORMATION

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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SDS-PAGE

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