Recombinant Human ATP1A1 protein, MYC/DDK-tagged

Cat. No. ATP1A1-293H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ATP1A1, transcript variant 1, fused with MYC/DDK tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	112.7 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

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

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	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
Chromosome Location	1p13
Pathway	Aldosterone-regulated sodium reabsorption, organism-specific biosystem; Aldosterone-regulated sodium reabsorption, conserved biosystem; Bile secretion, organism-specific biosystem; Bile secretion, conserved biosystem; Carbohydrate digestion and absorption, organism-specific biosystem; Carbohydrate digestion and absorption, conserved biosystem; Cardiac muscle contraction, organism-specific biosystem;
Function	4-nitrophenylphosphatase activity; ATP binding; ATPase activity, coupled to transmembrane movement of ions, phosphorylative mechanism; hydrolase activity; hydrolase activity, acting on acid anhydrides, catalyzing transmembrane movement of substances; metal ion binding; monovalent inorganic cation transmembrane transporter activity; nucleotide binding; protein binding; sodium:potassium-exchanging ATPase activity; sodium:potassium-exchanging ATPase activity; sodium:potassium-exchanging ATPase activity;

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