Recombinant Human ATP10A, His-tagged

Cat. No. ATP10A-9995H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ATP10A protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	1302-1499a.a.
Description	The protein encoded by this gene belongs to the family of P-type cation transport ATPases, and to the subfamily of aminophospholipid-transporting ATPases. The aminophospholipid translocases transport phosphatidylserine and phosphatidylethanolamine from one side of a bilayer to another. This gene is maternally expressed. It maps within the most common interval of deletion responsible for Angelman syndrome, also known as happy puppet syndrome.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

Gene Name	ATP10A ATPase, class V, type 10A [Homo sapiens]

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Official Symbol	ATP10A
Synonyms	ATPase, class V, type 10A; EC 3.6.3.1; ATP10C; ATPase type IV, phospholipid transporting (P-type); ATPVC; phospholipid-transporting ATPase VA; ATPVA; probable phospholipid-transporting ATPase VA; ATPase, Class V, type 10C; ATPase class V type 10A; KIAA0566; EC 3.6.3; Aminophospholipid translocase VA;
Gene ID	57194
mRNA Refseq	NM_024490.3
Protein Refseq	NP_077816.1
MIM	605855
UniProt ID	O60312
Chromosome Location	15q11.2
Pathway	Ion channel transport, organism-specific biosystem; Ion transport by P-type ATPases, organism-specific biosystem; Transmembrane transport of small molecules, organism-specific biosystem
Function	ATP binding; ATPase activity, coupled to transmembrane movement of ions, phosphorylative mechanism; magnesium ion binding; phospholipid-translocating ATPase activity; protein binding

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