

ATPase Transporting Beta 1 Recombinant Protein | ATP1B1 recombinant protein

Recombinant Human ATPase Transporting Beta 1

CATALOG # AAA39045	HOST E Coli
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PRODUCT SYNONYMS

ATPase Transporting Beta 1; Recombinant Human ATPase Transporting Beta 1; ATP1B1 Human; ATPaseTransporting Beta 1 Human Recombinant; Sodium/potassium-transporting ATPase subunit beta-1; ATPase; Na⁺/K⁺ transporting; beta 1 polypeptide; ATP1B; ATPBS; Sodium/potassium-dependent ATPase subunit beta-1; ATP1B1; ATPaseTransporting Beta 1; ATP1B1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 90.0% as determined by SDS-PAGE.
Form/Format	The ATP1B1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea. Sterile Filtered colorless solution.
Sequence	MGSSHHH HHHSSGLVPR GSHMGS EFKPTYQDRV APPGLTQIPQ IQKTEISFRP NDPKSYEAYV LNIVRFLEKY KDSAQRDDMI FEDCGDVPSE PKERGDFNHE RGERKVCRFK LEWLGNCSSL NDETYGYKEG KPCIIKLNR VLGFKPKPPK NESLETYPVM KYNPNVLPVQ CTGKRDEKDK KVG NVEYFGL GNSPGFPLQY YPYYGKLLQP KYLQPLLAVQ FTNLTMDTEI RIECKAYGEN IGYSEKDRFQ GRFDVKIEVK S.
Sequence Length	303
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for ATP1B1 recombinant protein	Description: ATP1B1 Human Recombinant produced in E Coli is a single, non-glycosylated polypeptide chain containing 264 amino acids (63-303) and having a molecular mass of 30.4 kDa.ATP1B1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Introduction: ATPaseTransporting Beta 1 (ATP1B1) is a part of the family of Na⁺/K⁺ and H⁺/K⁺ ATPases beta chain proteins, and the subfamily of Na⁺/K⁺ -ATPases. Na⁺/K⁺ -ATPase is an essential membrane protein accountable for establishing and maintaining the electrochemical gradients of Na and K ions over the plasma membrane. These gradients are vital for osmoregulation, for sodium-coupled transport of a range of organic and inorganic molecules, and for electrical excitability of muscle and nerve. ATP1B1is combined of 2 subunits, a large catalytic subunit (alpha) and a smaller glycoprotein subunit (beta). The beta subunit regulates the number of sodium pumps transported to the plasma membrane through assembly of alpha/beta heterodimers. ATP1B1 is a beta 1 subunit.
Product Categories/Family for ATP1B1 recombinant protein	Recombinant & Natural Proteins ; Recombinant Proteins ; ATPase

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502277
NCBI GeneID	481
NCBI Accession #	NP_001668.1

NCBI GenBank Nucleotide #	NM_001677.3
UniProt Accession #	P05026; Q5TGZ3
Molecular Weight	34,893 Da
NCBI Official Full Name	sodium/potassium-transporting ATPase subunit beta-1
NCBI Official Synonym Full Names	ATPase, Na+/K+ transporting, beta 1 polypeptide
NCBI Official Symbol	ATP1B1
NCBI Official Synonym Symbols	ATP1B
NCBI Protein Information	sodium/potassium-transporting ATPase subunit beta-1; Beta 1-subunit of Na(+),K(+)-ATPase; Na, K-ATPase beta-1 polypeptide; adenosinetriphosphatase; sodium pump subunit beta-1; sodium-potassium ATPase subunit beta 1 (non-catalytic); sodium/potassium-dependent ATPase beta-1 subunit; sodium/potassium-transporting ATPase beta-1 chain
UniProt Protein Name	Sodium/potassium-transporting ATPase subunit beta-1
UniProt Gene Name	ATP1B1
UniProt Synonym Gene Names	ATP1B
UniProt Entry Name	AT1B1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/atp1b1-recombinant-protein-e-coli/39045>