

Datasheet for ABIN7596275

ATP1B2 Protein (AA 68-290) (His tag)[Go to Product page](#)

Overview

Quantity:	500 µg
Target:	ATP1B2
Protein Characteristics:	AA 68-290
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This ATP1B2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Enzyme Activity Assay (EAA)

Product Details

Sequence:	DHTPKYQ DRLATPGLMI RPKTENLDVI VNVSDTESWD QHVQKLNKFL EPYNDSIQAQ KNDVCRPGRY YEQPDNGVLN YPKRACQFNR TQLGNCSGIG DSTHYGYSTG QPCVFIKMNR VINFYAGANQ SMNVTCAGKR DEDAENLGNF VMFPANGNID LMYFPYYGKK FHVNYTQPLV AVKFLNVTPN VEVNVECRIN AANIATDDER DKFAGRVAFK LRINKT
Purity:	> 90% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1ug of protein (determined by LAL method)
Biological Activity Comment:	Specific activity is > 3,000pmol/min/ug, and is defined as the amount of enzyme that hydrolyze 1.0pmole of Adenosine 5-triphosphate to phosphate per minute per minute at pH 7.5 at 25C.

Target Details

Target:	ATP1B2
Alternative Name:	ATP1B2 (ATP1B2 Products)
Background:	ATP1B2, as known as sodium/potassium-transporting ATPase subunit beta-2 isoform 1, is the family of Na ⁺ /K ⁺ and H ⁺ /K ⁺ ATPases beta chain proteins, and to the subfamily of Na ⁺ /K ⁺ ATPases. It is the non-catalytic component of the active enzyme, which catalyzes the hydrolysis of ATP coupled with the exchange of Na ⁺ and K ⁺ ions across the plasma membrane. The precise function of the beta-2 subunit is not known. This protein is composed of 3 subunits: alpha (catalytic), beta and gamma. Recombinant human ATP1B2, fused to His-tag at Cterminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	26.4 kDa (232aa)
NCBI Accession:	NP_001669
Pathways:	Thyroid Hormone Synthesis

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.