

Product information

ATP1B3, 57- 279aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP2677

Full name: sodium/potassium-transporting ATPase subunit beta-3

NCBI Accession No.: NP_001670

Synonym: ATPB-3, CD298

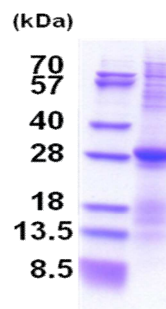
Description: ATP1B3 belongs to the X(+)/potassium ATPases subunit beta family. This is the non-catalytic component of the active enzyme, which catalyzes the hydrolysis of ATP coupled with the exchange of Na⁺ and K⁺ ions across the plasma membrane. The exact function of the beta-3 subunit is not known. Recombinant human ATP1B3 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol,
0.15M NaCl, 1mM DTT

Molecular Weight: 27.4 kDa (246aa) confirmed by MALDI-TOF

Purity: > 80% by SDS - PAGE

Concentration: 0.25mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MGSTMMVMLQ TLNDEVPKYR DQIPSPGLMV FPKPVTALEY TFSRSDPTSY AGYIEDLKKF LKPYTLEEQK
NLTVCPDGL FEQKGPVYVA CQFPISLLQA CSGMNDPDFG YSQGNPCILV KMNRIIGLKP EGVPRIDCVS KNEDIPNAV YPHNGMIDLK
YFPYYGKKLH VGYLQPLVAV QVSFAPNNTG KEVTVECKID GSANLKSQDD RDKFLGRVMF KITARA

General references:

Malik N., *et al* (1998). Mamm. Genome 9:136-143

Chi A., *et al* (2006). J. Proteome Res. 5:3135-3144

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

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