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Recombinant human ATP1B3 protein

Catalog Number: ATGP2677

PRODUCT INFORMATION

Expression system
E.coli

Domain
57-279aa

UniProt No.
P54709

NCBI Accession No.
NP_001670

Alternative Names
sodium/potassium-transporting ATPase subunit beta-3, ATPB-3, CD298

PRODUCT SPECIFICATION

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

Concentration
0.25mg/ml (determined by Bradford assay)

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

Purity
> 80% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

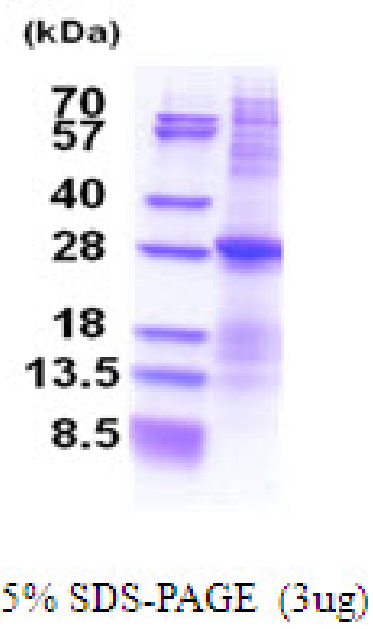
MGSSHHHHHH SSGLVPRGSH MGSTMWVMLQ TLNDEVPKYR DQIPSPGLMV FPKPVTALEY TFSRSDPTSY AGYIEDLKKF LKPYTLEEQK NLTVCPDGAL FEQKGPVYVA CQFPISLLQA CSGMNDPDFG YSQGNPCILV KMNRIIGLKP EGVPRIDCVS KNEDIPNVAV YPHNGMIDLK YFPYYGKKLH VGYLQPLVAV QVSFAPNNTG KEVTVECKID GSANLKSQDD RDKFLGRVMF KITARA

General References

Malik N., et al (1998). Mamm. Genome 9:136-143
Chi A., et al (2006). J. Proteome Res. 5:3135-3144

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.