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Recombinant human ATP1B2 protein

Catalog Number: ATGP2257

PRODUCT INFORMATION

Expression system
E.coli

Domain
68-290aa

UniProt No.
P14415

NCBI Accession No.
NP_001669

Alternative Names
Sodium/potassium-transporting ATPase subunit beta-2, ATPase, Na+/K+ transporting, beta 2 polypeptide, AMOG

PRODUCT SPECIFICATION

Molecular Weight
27.8 kDa (246aa)

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing , 10% glycerol, 0.4M urea

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE,Denatured

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
ATP1B2 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-2 subunit is not known. The protein is composed of three subunits: alpha (catalytic), beta and gamma. Recombinant human ATP1B2 protein, fused to His-tag at N-terminus, was expressed in E. coli.

Amino acid Sequence
MGSSHHHHHH SSGLVPRGSH MGSDHTPKYQ DRLATPGLMI RPKTENLDVI VNVSDTESWD QHVQKLNKFL EPYNDSIQAQ

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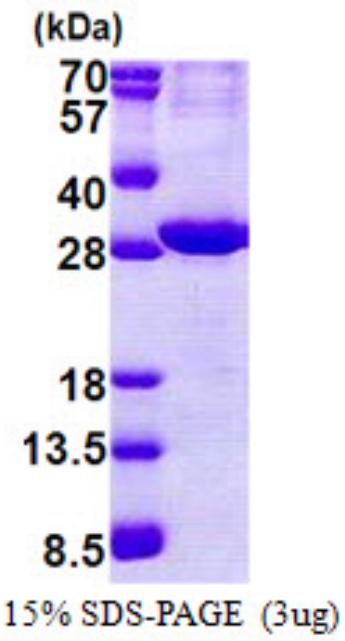
KNDVCRPGRY YEQPDNGVLN YPKRACQFNR TQLGNCSGIG DSTHYGYSTG QPCVFIKMNR VINFYAGANQ SMNVTCAGKR DEDAENLGNF VMFPANGNID LMYFPYYGKK FHVNYTQPLV AVKFLNVTPN VEVNVECRIN AANIATDDER DKFAGRVAFK LRINKT

General References

Hernando N., et al. (1994). Biophys. Acta 1189:109-111

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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