

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 SGLVPRGSH MGS DHTPKYQ DRLATPGLMI RPKTENLDVI VNVSDTESWD QHVQKLNKFL EPYNDSIAQ

Recombinant human ATP1B2 protein

Catalog Number: ATGP2257

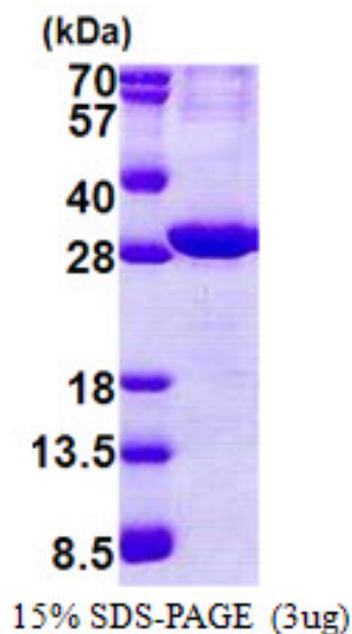
KNDVCRPGRY YEQPDNGVLN YPKRACQFNR TQLGNCSGIG DSTHYGYSTG QPCVFIKMNR VINFYAGANQ SMNVTCAGKR
DEDAENLGNF VMFPANGNID LMYFPYYGKK FHVNYTQPLV AVKFLNVTPN VEVNVECRIN AANIATDDER DKFAGRVAFK
LRINKT

General References

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

DATA

SDS-PAGE



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