
Product Data Sheet

Product Name: ATP1B2 Human, Sf9

Cat. No.: GP22803

Batch No.: 1

Product Data

Purity >98% Source Sf9, Baculovirus cells.

Physical Appearance solid Shipping Condition Shipped with Ice Packs.

Synonyms ATP1B2; AMOG; Sodium/Potassium-Transporting ATPase Beta-2Chain; Sodium/Potassium-Dependent ATPase Beta-2 Subunit; Na; K-ATPase Beta-2Polypeptide; Adhesion Molecule On Glia; ATPase Na+/K+ Transporting Subunit Beta2; Sodium-Potassium ATPase Subunit Beta 2 (Non-Catalytic);Sodium/Potassium-Transporting ATPase Subunit Beta-2; Sodium/Potassium-DependentATPase Subunit Beta-2; ATPase; Na+/K+ Transporting; Beta 2 Polypeptide; SodiumPump Subunit Beta-2; Adhesion Molecule In Glia.

Amino Acid Sequence ADPDHTPKYQ DRLATPGLMI RPKTENLDVI VNVSDTESWD QHVQKLNKFL EPYNDSIQAQ KNDVCRPGRY YEQPDNGVLN YPKRACQFNR TQLGNCSGIG DSTHYGYSTG QPCVFIKMN R VINFYAGANQ SMNVTCAGKR DEDAENLGNF VMFPANGNID LMYFPYYGKK FHVNYTQPLV AVKFLNVTPTN VEVNVECRIN AANIATDDER DKFAGRVAFK LRINKTHHHH HH.

Formulation ATP1B2 protein solution (0.5mg/ml) contains PhosphateBuffered Saline (pH 7.4) and 10% glycerol.

Introduction

ATPaseTransporting Beta 2 (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 precise function of the beta-2 subunit is not known. The ATP1B2 protein is composed of 3 subunits: alpha (catalytic), beta and gamma.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

Caution: Product has not been fully validated for medical applications. For research use only.

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periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

ATP1B2 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 232 amino acids (68-290 a.a.) and having a molecular mass of 26.4 kDa (Molecular size on SDS-PAGE will appear at approximately 28-40 kDa).

ATP1B2 is expressed with a 9 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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