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32-3266: ATP1B1 Recombinant Protein

Alternative Name :	Sodium/potassium-transporting ATPase subunit beta-1,ATPase,Na+/K+ transporting,beta 1 polypeptide,ATP1B,ATPBS,Sodium/potassium-dependent ATPase subunit beta-1,ATP1B1,ATPaseTransporting Beta 1.

Description

Source : Escherichia Coli. ATP1B1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 264 amino acids (63-303) and having a molecular mass of 30.4 kDa.ATP1B1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. ATPaseTransporting Beta 1 (ATP1B1) is a part of the family of Na+/K+ and H+/K+ ATPases beta chain proteins, and the subfamily of Na+/K+ -ATPases. Na+/K+ -ATPase is an essential membrane protein accountable for establishing and maintaining the electrochemical gradients of Na and K ions over the plasma membrane. These gradients are vital for osmoregulation, for sodium-coupled transport of a range of organic and inorganic molecules, and for electrical excitability of muscle and nerve. ATP1B1is combined of 2 subunits, a large catalytic subunit (alpha) and a smaller glycoprotein subunit (beta). The beta subunit regulates the number of sodium pumps transported to the plasma membrane through assembly of alpha/beta heterodimers. ATP1B1 is a beta 1 subunit.

Product Info

Amount :	20 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	The ATP1B1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer 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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSEFKPTYQ DRVAPPGLTQ IPQIQKTEIS FRPNDPKSYE AYVLNIVRFL EKYKDSAQRD DMIFEDCGDV PSEPKERGDF NHERGERKVC RFKLEWLGNC SGLNDETYGY KEGKPCIIIK LNRVLGFKPK PPKNESLETY PVMKYNPNVL PVQCTGKRDE DKDKVGNVEY FGLGNSPGFP LQYYPYYGKL LQPKYLQPLL AVQFTNLTMD TEIRIECKAY GENIGYSEKD RFQGRFDVKI EVKS.