

ATPase Transporting Beta 1 Human Recombinant

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| Item Number | rAP-2813 |
| Synonyms | 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 | 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. |
| Uniprot Accession Number | P05026 |
| Amino Acid Sequence | MGSSHHHHH SSSLVPRGSH MGSEFKPTYQ DRVAPPGLTQ IPQIQKTEIS FRPNPKSYE AYVLNIVRFL EKYKDSAQRD DMIFEDCGDV PSEPKERGDF NHERGERKVC RFKLEWLGNC SGLNDETYGY KEGKPCIIK LNRVLGFKPK PPKNESLETY PVMKYNPVNL PVQCTGKRDE DKDKVGN- VEY FGLGNSPGFP LQYYPPYGKL LQPKYLQPLL AVQFTNLTMD TEIRIECKAY GENIGYSEKD RFQGRFDVKI EVKS. |
| Source | Escherichia Coli. |
| Physical Appearance and Stability | Sterile Filtered colorless solution. 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. |
| Formulation and Purity | The ATP1B1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea. Greater than 90.0% as determined by SDS-PAGE. |
| Application | |
| Solubility | |
| Biological Activity | |
| Shipping Format and Condition | Lyophilized powder at room temperature. |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**