

## 32-3268: ATP1B3 Recombinant Protein

**Alternative Name :** ATPase Na<sup>+</sup>/K<sup>+</sup> Transporting Beta 3 Polypeptide, Sodium-Potassium ATPase Subunit Beta 3 (Non-Catalytic), Sodium/Potassium-Transporting ATPase Subunit Beta-3, Sodium/Potassium-Dependent ATPase Subunit Beta-3, Sodium Pump Subunit Beta-3, ATPB-3, Sodium/P

### Description

Source : Escherichia Coli. ATP1B3 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 246 amino acids (57-279) and having a molecular mass of 27.4 kDa. ATP1B3 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. ATPase Transporting Beta 3 (ATP1B3) is a member of the X(+)/potassium ATPases subunit beta family. ATP1B3 is the non-catalytic component of the active enzyme, which catalyzes the hydrolysis of ATP coupled with the exchange of Na<sup>+</sup> and K<sup>+</sup> ions across the plasma membrane. The beta subunit controls, by way of assembly of alpha/beta heterodimers, the quantity of sodium pumps transported to the plasma membrane. The precise role of the beta-3 subunit is unknown.

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 80.0% as determined by SDS-PAGE.  
**Content :** The ATP1B3 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 20% glycerol, 0.15M NaCl and 1mM DTT.  
**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 MGSTMWVMLQ TLNDEVPKYR DQIPSPGLMV FPKPVTALEY  
 TFSRSDPTSY AGYIEDLKKF LKPYTLEEQK NLTVC PDGAL FEQKGPVYVA CQFPISLLQA CSGMNDPDFG  
 YSQGNPCILV KMNRIIGLKP EGVPRIDCVS KNEDIPNVAV YPHNGMIDLK YFPYYGKKLH VGYLQPLVAV  
 QVSFAPNNTG KEVTVECKID GSANLKSQDD RDKFLGRVMF KITARA.

