9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

ATP1B3 Human

ATPaseTransporting Beta 3 Human Recombinant
RCP0142

Product Overview

Name	ATP1B3 Human
Description	
ATPaseTransporting Beta 3 Human Recombinant	
Accession (Primary)	P54709
Synonyms	
ATPase Na+/K+ 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/Potassium-Transporting ATPase Beta-3 Chain, Sodium/Potassium-Dependent ATPase Beta-3 Subunit, Na K-ATPase Beta-3 Polypeptide, CD298 Antigen, CD298, ATP1B3.	
Introduction	
ATPaseTransporting 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+ and K+ 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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The ATP1B3 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 20% glycerol, 0.15M NaCl and 1mM DTT.	
Stability	
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.	
Purity	
Greater than 80.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS TMWVMLQ TLNDEVPKYR DQIPSPGLMV FPKPVTALEY TFSRSDPTSY	

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AGYIEDLKKF LKPYTLEEQK NLTVCPDGAL FEQKGPVYVA CQFPISLLQA CSGMNDPDFG YSQGNPCILV KMNRIIGLKP EGVPRIDCVS KNEDIPNVAV YPHNGMIDLK YFPYYGKKLH VGYLQPLVAV QVSFAPNNTG KEVTVECKID GSANLKSQDD RDKFLGRVMF KITARA.

Precautions

ATP1B3 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P54709)