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ATP1B1, 63-303aa, Human, His-tag, Baculovirus

产品货号: TP01269

第三版

**别名:**ATPase Na<sup>+</sup>/K<sup>+</sup> transporting subunit beta 1, ATP1B1, ATP1B

**描述:**ATP1B1, also known as ATPase Na<sup>+</sup>/K<sup>+</sup> transporting subunit beta 1, belongs to the family of Na<sup>+</sup>/K<sup>+</sup> and H<sup>+</sup>/K<sup>+</sup> ATPases beta chain proteins, and to the subfamily of Na<sup>+</sup>/K<sup>+</sup> -ATPases. Na<sup>+</sup>/K<sup>+</sup> -ATPase is an integral membrane protein responsible for establishing and maintaining the electrochemical gradients of Na and K ions across the plasma membrane. These gradients are essential for osmoregulation, for sodium-coupled transport of a variety of organic and inorganic molecules, and for electrical excitability of nerve and muscle. The beta subunit regulates, through assembly of alpha/beta heterodimers, the number of sodium pumps transported to the plasma membrane. Recombinant human ATP1B1 protein, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

**配方:**Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

**分子量:**29.0kDa (250aa), 28-40KDa (SDS-PAGE under reducing conditions.)

**序列:**

ADPEFKPTYQDRVAPPGLTQIPQIQKTEISFRPNPKSYEAYVLNIVRFLEKYKDSAQRDDMIFEDCGDVPSEPKERGFNHE  
RGERKVCRFKLEWLGNCGLNDETYGYKEGKPCIIIKLNRVLGFKPKPPKNESLETYPVMKYNPVLPVQCTGKRDEDK  
DKVGNVEYFGLGNSPGFPLQYYPYGGKLLQPKYLQPLLAQFTNLTMDEIRIECKAYGENIGYSEKDRFQGRFDVKIEVK  
SHHHHHH

**纯度:**> 95% by HPLC

**浓度:**0.5mg/ml (determined by Absorbance at 280nm)

**内毒素:**<1.0 EU per 1 ug of protein (determined by LAL method)

**存储:**+4 ° C 保存 (1-2 周). 长期保存在-20 ° C或者-70 ° C. 避免反复冻融.