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ATP1B1, 63 - 303aa, Human, His tag, E.coli

产品货号: TP01268

第三版

别名: Sodium/potassium-transporting ATPase subunit beta-1, ATPase, Na⁺/K⁺ transporting, beta 1 polypeptide, ATP1B, ATPBS

描述: ATP1B1 belongs to the family of Na⁺/K⁺ and H⁺/K⁺ ATPases beta chain proteins, and to the subfamily of Na⁺/K⁺-ATPases. Na⁺/K⁺-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. This enzyme is composed of two subunits, a large catalytic subunit (alpha) and a smaller glycoprotein subunit (beta). The beta subunit regulates, through assembly of alpha/beta heterodimers, the number of sodium pumps transported to the plasma membrane. The glycoprotein subunit of Na⁺/K⁺-ATPase is encoded by multiple genes. ATP1B1 is a beta 1 subunit. Recombinant human ATP1B1 protein, fused to His-tag at N-terminus, was expressed in E.coli .

配方: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea

分子量: 30.4kDa (264aa)

序列:

MGSSHHHHHHSSGLVPRGSHMGSEFKPTYQDRVAPPGLTQIPQIQKTEISFRPNPKSYEAYVLNIVRFLEKYKDSAQRDD
MIFEDCGDVPSEPKERGFDFNHERGERKVCRFKLEWLGNCGLNDETYGYKEGKPCIIIKLNRVLGFKPKPPKNESLETYPV
MKYNPNVLPVQCTGKRDEKDKVGNVEYFGLGNSPGFPLQYYPYGGKLLQPKYLQPLLAVQFTNLTMDTEIRIECKAYG
ENIGYSEKDRFQGRFDVKIEVKS

纯度: > 95% by HPLC

浓度: 1.0 mg/ml (determined by Bradford assay)

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.