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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

ATP1B1 (Human) Recombinant Protein (P01)

Catalog Number: H00000481-P01

Regulation Status: For research use only (RUO)

Product Description: Human ATP1B1 full-length ORF (AAH00006, 1 a.a. - 303 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MARGKAKEEGSWKKFIWNSEKKEFLGRTGGSWFKILL
FYVIFYGCLAGIFIGTIQVMLLTISEFKPTYQDRVAPPGL
TQIPQIQKTEISFRPNPKSYEAYVLNIVRFLEKYKDSA
QRDDMIFEDCGDVPSEPKERGDFNHERGERKVCRFK
LEWLGNC SGLNDETYGYKEGKPCIIKLN RVLGFKPKP
PKNESLETYPVMKYNPVLPVQCTGKRDEDKDKVGN
VEYFGLGNSPGFPLQYYPYGGKLLQPKYLQPLLAVQF
TNLTMDTEIRIECKAYGENIGYSEKDRFQGRFDVKIEV
S

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 58.96

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 481

Gene Symbol: ATP1B1

Gene Alias: ATP1B, MGC1798

Gene Summary: The protein encoded by this gene 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. This gene encodes a beta 1 subunit. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq]