



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### ATP1B3 (Human) Recombinant Protein (P01)

**Catalog Number:** H00000483-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human ATP1B3 full-length ORF (AAH11835, 1 a.a. - 279 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MTKNEKKSLNQSLAEWKLFYINPTTGEFLGRTAKSWG  
LILLFYLVFYGFALAALFSFTMWVMLQTLNDEVPKYRDQI  
PSPGLMVFVKPVTALEYTFSRSDPTSYAGYIEDLKKFL  
KPYTLEEQKNLTVCPDGFALFEQKGPVYVACQFPISLLQ  
ACSGMNDPDFGYSQGNPCILVKMNRRIIGLKPEGVPRID  
CVSKNEDIPNVAVYPHNGMIDLKYFPYYGKKLHVGYL  
QPLVAVQVSFAPNNTGKEVTVECKIDGSANLKSQDDR  
DKFLGRVMFKITARA

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 56.43

**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:** 483

**Gene Symbol:** ATP1B3

**Gene Alias:** ATPB-3, CD298, FLJ29027

**Gene Summary:** The protein encoded by this gene 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. 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<sup>+</sup>/K<sup>+</sup>-ATPase is encoded by multiple genes. This gene encodes a beta 3 subunit. This gene encodes a beta 3 subunit. A pseudogene exists for this gene, and it is located on chromosome 2. [provided by RefSeq]