



# SZABO SCANDIC

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## Produktinformation



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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Datasheet

### ATP6AP1 (Human) Recombinant Protein (P01)

**Catalog Number:** H00000537-P01

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

**Product Description:** Human ATP6AP1 full-length ORF ( NP\_001174.2, 1 a.a. - 470 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MMAAMATARVRMGPRCAQALWRMPWLPVFLSLAAA  
AAAAAAEQQVPLVLWSSDRDLWAPAADTHEGHITSDL  
QLSTYLDPALELGPRNVLLFLQDKLSIEDFTAYGGVFG  
NKQDSAFSNLENALDLAPSSLVLPVDWYAVSTLTYYL  
QEKLGASPLHVDLATLRELKLNASLPALLLIRLPYTASS  
GLMAPREVL TGNDEVIGQVLSTLKSEDPYTAALTAVR  
PSRVARDVAVVAGGLGRQLLQKQPVSPVIHPPVSYND  
TAPRILFWAQNFVAYKQWEDLPLTFGVQELNLTG  
SFWNDSFARLSLTYERLFGTTVTFFKILANRLYPVSAR  
HWFTMERLEVHNSGVSAYFNASQVTGPSIYSFHCEYV  
SSLSKKGSLLVARTQPSPWQMMMLQDFQIQAFNVMGE  
QFSYASDCASFFSPGIWMGLLTSLFMLFIFTYGLHMILS  
LKTMDRFDDHKGPTISLTQIV

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

**Theoretical MW (kDa):** 78.4

**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:** 537

**Gene Symbol:** ATP6AP1

**Gene Alias:** 16A, ATP6IP1, ATP6S1, Ac45, CF2, MGC129781, VATPS1, XAP-3, XAP3

**Gene Summary:** This gene encodes a component of a multisubunit enzyme (1 mDa MW) that mediates acidification of eukaryotic intracellular organelles. Vacuolar ATPase (V-ATPase) is comprised of a cytosolic V1 (site of the ATP catalytic site) and a transmembrane V0 domain. V-ATPase dependent organelle acidification is necessary for such intracellular processes as protein sorting, zymogen activation, and receptor-mediated endocytosis. The encoded protein of this gene is approximately 45 kD and may assist in the V-ATPase-mediated acidification of neuroendocrine secretory granules. [provided by RefSeq]

**References:**

1. Ubiquitin ligase substrate identification through quantitative proteomics at both the protein and peptide levels. Lee KA, Hammerle LP, Andrews PS, Stokes MP, Mustelin T, Silva JC, Black RA, Doedens JR. J Biol Chem. 2011 Oct 10.