



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
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

### ATP6V0A1 (Human) Recombinant Protein (P01)

**Catalog Number:** H00000535-P01

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

**Product Description:** Human ATP6V0A1 full-length ORF ( NP\_005168.2, 1 a.a. - 831 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MGELFRSEEMTLAQLFLQSEAAAYCCVSELGELGKVVQF  
RDLNPDVNVFQQRKFVNEVRRCEEMDRKLRVFEKEIRK  
ANIPIMDTGENPEVPPFRDMIDLEANFEKIENELKEINT  
NQEALKRNFLELTELKFIKRTQQFFDEMADPDLEES  
SSLLEPSEMGRGTPRLRLGFVAGVINRERIPTFERMLW  
RVCRGNVFLRQAEIENPLEDPVTGDYVHKSVEIFFQG  
DQLKNRVKKICEGFRASLYPCPETPQERKEMASGVNT  
RIDDLQMVNLQTEDHRQRVLQAAAKNIRVWFIKVRKM  
KAIYHTLNLNIDVTQKCLIAEWWCPVTDLDSIQFALRR  
GTEHSGSTVPSILNRMQTNQTPPTYNKNKFTYGFQNI  
VDAYGIGTYREINPAPYTIITFPFLFAVMFGDFGHGILMT  
LFAVWMLRESRILSQKNENEMFSTVFSGRYIILLMGV  
FSMYTGLIYNDCFSKSLNIFGSSWSVRPMFTYNWTEE  
TLRGNPVLQLNPALPGVFGGPYPFGIDPIWNIATNKLT  
FLNSFKMKMSVILGIIHMLFGVSLSLFNHIYFKKPLNIYF  
GFIPEIIFMTSLFGYLVILIFYKWTAIDAHTSENAPSLLIH  
FINMFLFSYPESGYSMLYSGQKGIQCFLVVVALLCVPV  
MLLFKPLVLRQYLRRKHLGTLNFGGIRVGNPTEED  
AEIIQHDQLSTHSEDADEFDFGDTMVHQAIHTIEYCLG  
CISNTASYLRLWALS LAHAQLSEVLWMTMVIHIGLSVKSL  
AGGLVLFFFFTAFATLTVAILLIMEGLSAFLHALRLHWV  
EFQNKFYSGTGFKFLPFSFEHIREGKFEE

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

**Theoretical MW (kDa):** 122.2

**Interspecies Antigen Sequence:** Mouse (95); Rat (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:** 535

**Gene Symbol:** ATP6V0A1

**Gene Alias:** ATP6N1, ATP6N1A, DKFZp781J1951, Stv1, VPP1, Vph1, a1

**Gene Summary:** This gene encodes a component of vacuolar ATPase (V-ATPase), a multisubunit enzyme that mediates acidification of eukaryotic intracellular organelles. V-ATPase dependent organelle acidification is necessary for such intracellular processes as protein sorting, zymogen activation, receptor-mediated endocytosis, and synaptic vesicle proton gradient generation. V-ATPase is composed of a cytosolic V1 domain and a transmembrane V0 domain. The V1 domain consists of three A and three B subunits, two G subunits plus the C, D, E, F, and H subunits. The V1 domain contains the ATP catalytic site. The V0 domain consists of five different subunits: a, c, c', c'', and d. Additional isoforms of many of the V1 and V0 subunit proteins are encoded by multiple genes or alternatively spliced transcript variants. This gene encodes one of three A subunit proteins and the encoded protein is associated with clathrin-coated vesicles. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]