



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### ATP6V1C1 (Human) Recombinant Protein (P01)

**Catalog Number:** H00000528-P01

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

**Product Description:** Human ATP6V1C1 full-length ORF ( NP\_001686.1, 1 a.a. - 382 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MTEFWLISAPGEKTCQQTWEKLHAATSKNNNLAVTSK  
FNIPDLKVGTL DVLVGLSDELAKLDAFVEGVVKKVAQY  
MADVLEDSKDKVQENLLANGVDLVTYITRFQWDMAKY  
PIKQSLKNISEIIAKGVTQIDNDLKSASAYNNLKGNLQ  
NLERKNAGSLLTRSLAEIVKKDDFVLDSEYLVTLVVVP  
KLNHNDWIKQYETLAEMVVPSSNVLSQDSYLCNV  
TLFRKAVDDFRHKARENKFIVRDFQYNEEEMKADKEE  
MNRLSTDKKKQFGPLVRWLKVNFSFAFIWIHVKALR  
VFVESVLRVGLPVNFMQAMLLQPNKKTLLKREVLHEL  
YKHLDSAAAIIIDAPMDIPGLNLSQQEYYPVYKIDCNL  
LEFK

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

**Theoretical MW (kDa):** 70.3

**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:** 528

**Gene Symbol:** ATP6V1C1

**Gene Alias:** ATP6C, ATP6D, FLJ20057, VATC, Vma5

**Gene Summary:** This gene encodes a component of vacuolar ATPase (V-ATPase), a multisubunit enzyme that mediates acidification of intracellular compartments of eukaryotic cells. V-ATPase dependent 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 is one of two genes that encode the V1 domain C subunit proteins and is found ubiquitously. This C subunit is analogous but not homologous to gamma subunit of F-ATPases. Previously, this gene was designated ATP6D. [provided by RefSeq]