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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Datasheet

ATP6V1D (Human) Recombinant Protein (P01)

Catalog Number: H00051382-P01

Regulation Status: For research use only (RUO)

Product Description: Human ATP6V1D full-length ORF (AAH01411, 1 a.a. - 247 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

```
MSGKDRIEIFPSRMAQTIMKARLKGAQTGRNLLKKKSD  
ALTLRFRQILKKIIEKMLMGEVMREAAFSLAEAKFTAG  
DFSTTVIQNVNKAQVKIRAKKDNVAGVTLPVFEHYHEG  
TDSYELTGLARGGEQLAKLKRNYAKAVELLVELASLQT  
SFVTLDEAIKITNRRVNAIEHVIPRIERTLAYIITELDERE  
REEFYRLKKIQEKKKILKEKSEKDLEQRRRAAGEVLEPA  
NLLAEEKDEDLLFE
```

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 52.91

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: 51382

Gene Symbol: ATP6V1D

Gene Alias: ATP6M, VATD, VMA8

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 the V1 domain D subunit protein. [provided by RefSeq]