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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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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:

MGELFRSEEMTLAQLFLQSEAAAYCCVSELGELGKVQF
RDLNPDVNVFQRKFVNEVRRCEEMDRKLRFEKEIRK
ANIPIMDTGENPEVPFPRDMIDLEANFEKIENELKEINT
NQEALKRNFLELTELFILRKTQQFFDEMADPDLEES
SSLLEPSEMGRGTPLRLGFVAGVINRERIPTFERMLW
RVCRGNVFLRQAEIENPLEDPVTGDYVHKSVEIFFQG
DQLKNRVKKICEGFRASLYPCPETPQERKEMASGVNT
RIDDQLMVNLQTEDHRQVRVLAQAANKIRVWFIKVRKM
KAIYHTLNLNCNIDVTQKCLIAEVWCPVTDLDSIQFALRR
GTEHSGSTVPSILNRMQTNQTPPTYNKNKFTYGFQNI
VDAYGIGTYREINPAPYTIITPFLFAVMFGDFGHGILMT
LFAVWMLRESRILSQKNENEMFSTVFSGRYIILLMGV
FSMYTGLIYNDCFSKSLNIFGSSWSVRPMFTYNWTEE
TLRGNPVLQLNPALPGVFGGPYPFGIDPIWNIATNKLT
FLNSFKMKMSVILGIIHMLFGVSLSLFNHIYFKKPLNIYF
GFIPEIIFMTSLFGYLVILIFYKWTAIDAHTSENAPSLLIH
FINMFLFSYPESGYSMLYSGQKGIQCFLVVVALLCVPW
MLLFKPLVLRQYLRRKHLGTLNFGGIRVGNPTEED
AEIIQHDQLSTHSEDADEFDFGDTMVHQAIHTIEYCLG
CISNTASYLRLWALSLAHAQLSEVLWTMVIHGLSVKSL
AGGLVLFFFFTAFTLTVAILIMEGLSAFLHALRLHWV
EFQNKFYSGTGFKLPFSFEHIREGKFEE

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]