

Recombinant Full Length Human ATP6V1D Protein, GST-tagged

Cat. No. ATP6V1D-1284HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ATP6V1D full-length ORF (AAH01411, 1 a.a. - 247 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	247 amino acids
Description	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, Jul 2008]
Molecular Mass	52.91 kDa
AA Sequence	MSGKDRIEF PSRMAQTIMK ARLKGAQTGR NLLKKKSDAL TLRFRQILKK

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

IIETKMLMGE VMREAAFSLA EAKFTAGDFS TTVIQNVNKA QVKIRAKKDN
VAGVTLPVFE HYHEGTDSYE LTGLARGGEQ LAKLKRNYAK AVELLVELAS
LQTSFVTLDE AIKITNRRVN AIEHVIIPRI ERTLAYIITE LDEREREEFY RLKKIQEKKK
ILKEKSEKDL EQRRAGEVL EPANLLAEK DEDLLFE

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

ATP6V1D ATPase, H⁺ transporting, lysosomal 34kDa, V1 subunit D [Homo sapiens]

Official Symbol

ATP6V1D

Synonyms

ATP6V1D; ATPase, H⁺ transporting, lysosomal 34kDa, V1 subunit D; ATP6M, ATPase, H⁺ transporting, lysosomal (vacuolar proton pump); V-type proton ATPase subunit D; VATD; VMA8; V-ATPase D subunit; V-ATPase subunit D; vacuolar H-ATPase subunit D; vacuolar proton pump D subunit; vacuolar proton pump subunit D; vacuolar ATP synthase subunit D; vacuolar proton-ATPase subunit D; V-ATPase 28 kDa accessory protein; vacuolar proton pump delta polypeptide; ATPase, H⁺ transporting lysosomal, member M; H(+)-transporting two-sector ATPase, subunit M; ATPase, H⁺ transporting, lysosomal (vacuolar proton pump); ATP6M

Gene ID

51382

mRNA Refseq

NM_015994

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Protein Refseq	NP_057078
MIM	609398
UniProt ID	Q9Y5K8

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA