

Recombinant Human ATP6V1B2 protein, GST-tagged

Cat. No. ATP6V1B2-1002H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ATP6V1B2 full-length ORF (AAH03100, 1 a.a. - 511 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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, three B, and two G subunits, as well as a C, D, E, F, and H subunit. The V1 domain contains the ATP catalytic site. The protein encoded by this gene is one of two V1 domain B subunit isoforms and is the only B isoform highly expressed in osteoclasts. [provided by RefSeq, Jul 2008]
Molecular Mass	81.95 kDa
AA Sequence	MALRAMRGIVNGAAPELPVPTGGPAVGAREQALAVSRNYLSQPRLTYKTVSGVNGP LVILDHVKFPARYAEIVHLTLPDGTKRSGQVLEVSGSKAVVQVFEGTSGIDAKKTSCEF TGDILRTPVSEDMGRVFNNGSGKPIDRGPVVLAEFDLIMGQPINPQCRIYPEEMIQT GISAIDGMNSIARGQKIPIFSAAGLPHNEIAAQICRQAGLVKKS KDVVVDYSEENFAIVF

 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

AAMGVNMETARFFKSDFEENGSMNDVCLFLNLANPTIERIITPRLALTTAEFLAYQC
 EKHVLVILDMSSYAEALREVSAAAREEVPGRRGFPGYMYTDLATIYERAGRVEGRN
 GSITQIPILTMPND DITHPIPDLTGYITEGQIYVDRQLHNRQIYPPINVLPSLSRLMKS
 AI GEGMTRKDHADVSNQLYACYAIGKDVQAMKAVVGEEALTSDDLLEFLQKFERNFI
 AQQPYENRTVFETLDIGWQLLRIFPKEMLKRIQSTLSEFYPRDSAKH

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

Notes Best use within three months from the date of receipt of this protein.

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 [ATP6V1B2 ATPase, H+ transporting, lysosomal 56/58kDa, V1 subunit B2 \[Homo sapiens \]](#)

Official Symbol [ATP6V1B2](#)

Synonyms ATP6V1B2; ATPase, H+ transporting, lysosomal 56/58kDa, V1 subunit B2; ATP6B2, ATPase, H+ transporting, lysosomal (vacuolar proton pump), beta polypeptide, 56/58kD, isoform 2 , ATPase, H+ transporting, lysosomal 56/58kDa, V1 subunit B, isoform 2 , VPP3; V-type proton ATPase subunit B, brain isoform; HO57; VATB; Vma2; V-ATPase B2 subunit; V-ATPase subunit B 2; vacuolar proton pump subunit B 2; H+ transporting two-sector ATPase; vacuolar H+-ATPase 56,000 subunit; endomembrane proton pump 58 kDa subunit; VPP3; ATP6B2; ATP6B1B2;

Gene ID [526](#)

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mRNA Refseq	NM_001693
Protein Refseq	NP_001684
MIM	606939
UniProt ID	P21281



12.5% SDS-PAGE Stained with Coomassie Blue.

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