

Recombinant Full Length Human ATP6V1C2 Protein, GST-tagged

Cat. No. ATP6V1C2-1431HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ATP6V1C2 full-length ORF (AAH12142.1, 1 a.a. - 381 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	381 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,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. This gene encodes alternate transcriptional splice variants, encoding different V1 domain C subunit isoforms. [provided by RefSeq, Jul 2008]
Molecular Mass	70.3 kDa
AA Sequence	MSEFWLISAP GDKENLQALE RMNTVTSKSN LSYNTKFAIP DFKVGTLDLSL VGLSDELGKL DTFAESLIRR MAQSVVEVME DSKGKVQEHL LANGVDLTSE VTHFEWDMAK YPVKQPLVSV VDTIAKQLAQ IEMDLKSRTA AYDTLKTNLE

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NLEKKSMGNL FTRLSDIVS KEDFVLDSEY LVTLLVIVPK PNYSQWQKTY
 ESLSDMVVPR STKLITEDKE GGLFTVTLFR KVIEDFKTKA KENKFTVREF
 YYDEKEIERE REEMARLLSD KKQQYGPLLRLWKVNFSEAF IAWIHIKALR
 VFVESVLRYG LPVNFQAVLL QPHKKSSTKR LREVLNSVFR HLDEVAATSI
 LDASVEIPGL QLNNQDYFPY VYFHIDLSLL D

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

ATP6V1C2 ATPase, H⁺ transporting, lysosomal 42kDa, V1 subunit C2 [Homo sapiens]

Official Symbol

ATP6V1C2

Synonyms

ATP6V1C2; ATPase, H⁺ transporting, lysosomal 42kDa, V1 subunit C2; ATPase, H⁺ transporting, lysosomal 42kD, V1 subunit C isoform 2 , ATPase, H⁺ transporting, lysosomal 42kDa, V1 subunit C isoform 2; V-type proton ATPase subunit C 2; ATP6C2; VMA5; V-ATPase C2 subunit; V-ATPase subunit C 2; vacuolar proton pump subunit C 2

Gene ID

245973

mRNA Refseq

NM_001039362

Protein Refseq

NP_001034451

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MIM	618070
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UniProt ID	Q8NEY4
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