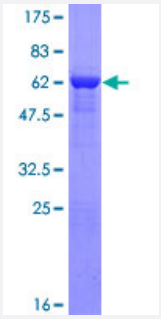
Full-Length

ATP6V1C2 (Human) Recombinant Protein (P01)

Catalog # H00245973-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ATP6V1C2 full-length ORF (AAH12142.1, 1 a.a. - 381 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MSEFWLISAPGDKENLQALERMNTVTSKSNLSYNTKFAIPDFKVGTLDSLVGLSDELGKLDTFAE SLIRRMAQSVVEVMEDSKGKVQEHLLANGVDLTSFVTHFEWDMAKYPVKQPLVSVVDTIAKQLA QIEMDLKSRTAAYDTLKTNLENLEKKSMGNLFTRTLSDIVSKEDFVLDSEYLVTLLVIVPKPNYSQW QKTYESLSDMVVPRSTKLITEDKEGGLFTVTLFRKVIEDFKTKAKENKFTVREFYYDEKEIERERREE MARLLSDKKQQYGPLLRWLKVNFSEAFIAWIHIKALRVFVESVLRYGLPVNFQAVLLQPHKKSSTK RLREVLNSVFRHLDEVAATSILDASVEIPGLQLNNQDYFPYVYFHIDLSLLD
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	70.3
Interspecies Antigen Sequence	Mouse (82); Rat (83)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
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.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — ATP6V1C2

Entrez GeneID	245973
GeneBank Accession#	BC012142.1
Protein Accession#	AAH12142.1
Gene Name	ATP6V1C2
Gene Alias	ATP6C2, VMA5
Gene Description	ATPase, H+ transporting, lysosomal 42kDa, V1 subunit C2
Gene Ontology	Hyperlink
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, 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
Other Designations	ATPase, H+ transporting, lysosomal 42kD, V1 subunit C|OTTHUMP00000115522|V-ATPase C2 subunit|vacuolar H+ ATPase C2

Pathway

- Epithelial cell signaling in Helicobacter pylori infection
- Metabolic pathways
- Oxidative phosphorylation
- Vibrio cholerae infection

Disease

- Tobacco Use Disorder