

Recombinant Human ATP6V1C2 Protein, His-tagged

Cat. No. ATP6V1C2-279H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ATP6V1C2, transcript variant 2, fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
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.
Form	25mM Tris, pH8.0, 150 mM NaCl, 10% glycerol, 1 % Sarkosyl. Store at -80 centigrade entigradeentigrade. Avoid repeated freeze-thaw cycles. Stable for at least 3 months fr om receipt of products under proper storage and handling conditions.
Molecular Mass	48.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Concentration >50 ug/mL as determined by microplate BCA method

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
UniProt ID	Q8NEY4

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