

Recombinant Human ATP6V1C1

Catalog No: #GP13367



Package Size: #GP13367-1 100ug

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Description

Product Name	Recombinant Human ATP6V1C1
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 183-382 amino acids of human ATP6V1C1
Target Name	ATPase H ⁺ transporting V1 subunit C1
Other Names	VATC; Vma5; ATP6C; ATP6D
Accession No.	Swissprot:P21283Gene Accession:BC010960
Uniprot	P21283
GeneID	528;
Storage	-20~-80°C, pH 7.6 PBS

Background

This gene encodes a component of vacuolar ATPase (V-ATPase), a multisubunit enzyme that mediates acidification of intracellular compartments of eukaryotic cells. V-ATPase dependent 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 is one of two genes that encode the V1 domain C subunit proteins and is found ubiquitously. This C subunit is analogous but not homologous to gamma subunit of F-ATPases. Previously, this gene was designated ATP6D.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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