Recombinant Human ATP6V0B cell lysate

Cat. No. ATP6V0B-149HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
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 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 encoded protein is part of the transmembrane V0 domain and is the human counterpart of yeast VMA16. Two alternatively spliced transcript variants that encode different proteins have been found for this gene.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

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Gene Name	ATP6V0B ATPase, H+ transporting, lysosomal 21kDa, V0 subunit b [Homo sapiens]
Official Symbol	ATP6V0B
Synonyms	ATP6V0B; ATPase, H+ transporting, lysosomal 21kDa, V0 subunit b; ATP6F, ATPase, H+ transporting, lysosomal (vacuolar proton pump) 21kD , ATPase, H+ transporting, lysosomal 21kDa, V0 subunit c; V-type proton ATPase 21 kDa proteolipid subunit; HATPL; VMA16; V-ATPase subunit c; V-ATPase 21 kDa proteolipid subunit; vacuolar proton pump, 21 kDa subunit; H(+)-transporting two-sector ATPase, subunit F; vacuolar proton pump 21 kDa proteolipid subunit; vacuolar ATP synthase 21 kDa proteolipid subunit; ATP6F;
Gene ID	533
mRNA Refseq	NM_001039457
Protein Refseq	NP_001034546
MIM	603717
UniProt ID	Q99437
Chromosome Location	1p32.3
Pathway	Epithelial cell signaling in Helicobacter pylori infection, organism-specific biosystem; Epithelial cell signaling in Helicobacter pylori infection, conserved biosystem; Insulin receptor recycling, organism-specific biosystem; Iron uptake and transport, organism-specific biosystem; Lysosome, organism-specific biosystem; Lysosome, conserved biosystem; Metabolic pathways, organism-specific biosystem;

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Function	hydrogen ion transmembrane transporter activity; transporter activity;

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