Recombinant Human ATP6V0A4 Protein, MYC/DDK-tagged

Cat. No. ATP6V0A4-2992H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ATP6V0A4 protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
Description	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. This gene is one of four genes in man and mouse that encode different isoforms of the a subunit. Alternatively spliced transcript variants encoding the same protein have been described. Mutations in this gene are associated with renal tubular acidosis associated with preserved hearing.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	96.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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

GENE INFORMATION

Gene Name	ATP6V0A4 ATPase, H+ transporting, lysosomal V0 subunit a4 [Homo sapiens]
Official Symbol	ATP6V0A4
Synonyms	A4; ATP6N1B; ATP6N2; RDRTA2; RTA1C; RTADR; STV1; VPH1; VPP2
Gene ID	50617
mRNA Refseq	NM_020632
Protein Refseq	NP_065683
MIM	605239
UniProt ID	Q9HBG4

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