

ATP6V0A1 抗原（重组蛋白）

中文名称：ATP6V0A1 抗原（重组蛋白）

英文名称：ATP6V0A1 Antigen (Recombinant Protein)

别名：ATPase H⁺ transporting V0 subunit a1; a1; Stv1; VPP1; Vph1; ATP6N1; ATP6N1A

储存：冷冻（-20℃）

相关类别：抗原

概述：

Fusion protein corresponding to a region derived from 1-200 amino acids of human ATP6V0A1

技术规格：

Full name:	ATPase H ⁺ transporting V0 subunit a1
Synonyms:	a1; Stv1; VPP1; Vph1; ATP6N1; ATP6N1A
Swissprot:	Q93050
Gene Accession:	BC032398
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	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 e

ncoded by multiple genes or alternatively spliced transcript variants. This gene encodes one of three A subunit proteins and the encoded protein is associated with clathrin-coated vesicles. Three transcript variants encoding different isoforms have been found for this gene.