

# Recombinant Full Length Human ATP6V1G1 Protein, GST-tagged

**Cat. No.** ATP6V1G1-1141HF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human ATP6V1G1 full-length ORF ( NP_004879.1, 1 a.a. - 118 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	118 amino acids
<b>Description</b>	<p>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. The protein encoded by this gene is one of three V1 domain G subunit proteins. Pseudogenes of this gene have been characterized. [provided by RefSeq, Jul 2008]</p>
<b>Molecular Mass</b>	40.2 kDa
<b>AA Sequence</b>	MASQSQGIQQ LLQAEKRAAE KVSEARKRKN RRLKQAKEEA QAEIEQYRLQ REKEFKAKEA AALGSRGSCS TEVEKETQEK MTILQTYFRQ NRDEVLDNLL

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**Applications**

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array

**Storage**

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**GENE INFORMATION**

**Gene Name**

[ATP6V1G1 ATPase, H<sup>+</sup> transporting, lysosomal 13kDa, V1 subunit G1 \[ Homo sapiens \]](#)

**Official Symbol**

[ATP6V1G1](#)

**Synonyms**

ATP6V1G1; ATPase, H<sup>+</sup> transporting, lysosomal 13kDa, V1 subunit G1; ATP6G1, ATP6J, ATPase, H<sup>+</sup> transporting, lysosomal (vacuolar proton pump), member J , ATPase, H<sup>+</sup> transporting, lysosomal 13kDa, V1 subunit G isoform 1; V-type proton ATPase subunit G 1; ATP6G; ATP6GL; DKFZp547P234; Vma10; V-ATPase subunit G 1; V-ATPase 13 kDa subunit 1; vacuolar H(+)-ATPase subunit G 1; vacuolar proton pump subunit G 1; vacuolar proton pump subunit M16; vacuolar ATP synthase subunit M16; ATPase, H<sup>+</sup> transporting, lysosomal (vacuolar proton pump), member J; ATP6J; ATP6G1

**Gene ID**

[9550](#)

**mRNA Refseq**

[NM\\_004888](#)

**Protein Refseq**

[NP\\_004879](#)

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<b>MIM</b>	607296
<b>UniProt ID</b>	O75348

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