

Recombinant Human ATP6V1F, GST-tagged

Cat. No. ATP6V1F-226H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A DNA sequence encoding the human ATP6V1F (NP_004222.2) (Met1-Arg119) was expressed with the GST tag at the N-terminus.
Species	Human
Source	E.coli
ProteinLength	Met1-Arg119
Form	Lyophilized from sterile PBS, pH7.4.
Molecular Mass	The recombinant human ATP6V1F/GST chimera consists of 350 amino acids and has a predicted molecular mass of 40.2 KDa. It migrates as an approximately 40 KDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 eu per µg of the protein as determined by the LAL method.
Purity	>90 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70°C
Storage	Store it under sterile conditions at -70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	Hardcopy of COA with reconstitution instruction is sent along with the products.

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GENE INFORMATION

Gene Name	ATP6V1F ATPase, H ⁺ transporting, lysosomal 14kDa, V1 subunit F [Homo sapiens]
Official Symbol	ATP6V1F
Synonyms	ATP6V1F; ATPase, H ⁺ transporting, lysosomal 14kDa, V1 subunit F; V-type proton ATPase subunit F; ATP6S14; VATF; Vma7; V-ATPase F subunit; V-ATPase subunit F; ATPase, vacuolar, 14 kD; V-ATPase 14 kDa subunit; vacuolar proton pump F subunit; vacuolar proton pump subunit F; vacuolar ATP synthase subunit F; adenosinetriphosphatase 14k chain; H(+)-transporting two-sector ATPase, 14kD subunit; MGC117321; MGC126037; MGC126038;
Gene ID	9296
mRNA Refseq	NM_001198909
Protein Refseq	NP_001185838
MIM	607160
UniProt ID	Q16864
Chromosome Location	7q32.1
Pathway	Collecting duct acid secretion, organism-specific biosystem; Collecting duct acid secretion, conserved biosystem; 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; Metabolic

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pathways, organism-specific biosystem;

Function

ATPase activity, uncoupled; hydrogen ion transmembrane transporter activity; hydrogen ion transporting ATP synthase activity, rotational mechanism; protein binding; proton-transporting ATPase activity, rotational mechanism;

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