

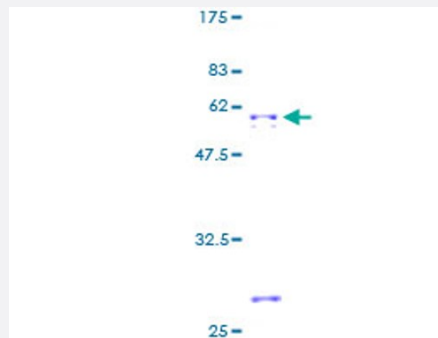
Full-Length

ATP4B (Human) Recombinant Protein (P01)

Catalog # H00000496-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ATP4B full-length ORF (AAH29059, 1 a.a. - 291 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MAALQEKKTCGQRMEEFQRYCWNPD TGQMLGRTL SRVWVWISLYYAFYVMTGLFALCLYVLM QTVDPYTPDYQDQLRSPGVTLRPDVYGEKGLM YNVSDNRTWADLTQTLHAFLAGYSPA AQEDS INCTSEQYFFQESFRAPNHTKF SCKFTADMLQNC SGLADPNFGFEEGKPCFI IKMNRVKFLPSNG SAPRVDCAFLDQPRELGQPLQVKYPPNGTFS LHYPYYGKKAQPHYSNPLVAAKLLNIPRNAEV AVCKVMAEHVTFNPHDPYEGKVEFKLKIEK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	57.75
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — ATP4B

Entrez GeneID [496](#)

GeneBank Accession# [BC029059](#)

Protein Accession# [AAH29059](#)

Gene Name ATP4B

Gene Alias ATP6B

Gene Description ATPase, H⁺/K⁺ exchanging, beta polypeptide

Omim ID [137217](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene belongs to a family of P-type cation-transporting ATPases. The gastric H⁺, K⁺-ATPase is a heterodimer consisting of a high molecular weight catalytic alpha subunit and a smaller but heavily glycosylated beta subunit. This enzyme is a proton pump that catalyzes the hydrolysis of ATP coupled with the exchange of H⁽⁺⁾ and K⁽⁺⁾ ions across the plasma membrane. It is also responsible for gastric acid secretion. This gene encodes the beta subunit of the gastric H⁺, K⁺-ATPase. [provided by RefSeq]

Other Designations ATPase, H⁺/K⁺ transporting, beta polypeptide|gastric H⁺/K⁺ ATPase beta subunit|gastric hydrogen-potassium ATPase, beta|hydrogen/potassium-exchanging ATPase 4B|potassium-transporting ATPase beta chain|proton pump beta chain

Pathway

- [Oxidative phosphorylation](#)

Disease

- [Cardiovascular Diseases](#)