

Recombinant Full Length Human ATP4B Protein, GST-tagged

Cat. No. ATP4B-654HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human ATP4B(1 a.a. - 291 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	291 amino acids
Description	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.
Form	25 mM Tris-HCl of pH8.0 containing 2% glycerol.
Molecular Mass	57.75 kDa
AA Sequence	MAALQEKKTC GQRMEEFQRY CWNPD TGQML GRTL SRVWVI SLYYVAFYVV MTGLFALCLY VLMQTVDPYT PDYQDQLRSP GVTLRPDVYG EGGLEIVYNV SDNRTWADLT QTLHAFLAGY SPAAQEDSIN CTSEQYFFQE SFRAPNHTKF SCKFTADMLQ NCSGLADPNF GFEEGKPCFI IKMNRIVKFL PSNGSAPRVD

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CAFLDQPREL GQPLQVKYYP PNGTFSLHYF PYYGKKAQPH YSNPLVAAKL
LNIPRNAEVA IVCKVMAEHV TFNNPHDPYE GKVEFKLKIE K

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.

GENE INFORMATION

Gene Name

ATP4B ATPase, H+/K+ exchanging, beta polypeptide [Homo sapiens]

Official Symbol

ATP4B

Synonyms

ATP4B; ATPase, H+/K+ exchanging, beta polypeptide; potassium-transporting ATPase subunit beta; ATP6B; proton pump beta chain; gastric H+/K+ ATPase beta subunit; gastric H(+)/K(+) ATPase subunit beta; gastric hydrogen-potassium ATPase, beta; potassium-transporting ATPase beta chain; ATPase, H+/K+ transporting, beta polypeptide

Gene ID

496

mRNA Refseq

NM_000705

Protein Refseq

NP_000696

MIM

137217

UniProt ID

P51164

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