

Recombinant Full Length Human ATP4A Protein

Cat. No. ATP4A-1297HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ATP4A full-length ORF (AAI67780.1) recombinant protein without tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	1035 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 a catalytic alpha subunit of the gastric H⁺, K⁺-ATPase. [provided by RefSeq, Jul 2008]
Form	Liquid
Molecular Mass	113.9 kDa
AA Sequence	MGKAENYELY SVELGPGPGG DMAAKMSKKK KAGGGGGKRK EKLENMKKEM EINDHQLSVA ELEQKYQTSK TKGLSASLAA ELLLRDGPNA LRPPRGTPPEY VKFARQLAGG LQCLMWVAAA ICLIAFAIQA SEGDLTTDDN LYLAIALIAV VVVTGCGFGYY QEFKSTNIIA SFKNLVPQQA TVIRDGDKFQ INADQLVVGD LVEMKGGDRV PADIRILAAQ GCKVDNSSLT GESEPQTRSP ECTHESPLET

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RNIAFFSTMC LEGTVQGLVV NTGDRTIIGR IASLASGVEN EKTPIAIEIE
 HFVDIIAGLA ILFGATFFIV AMCIGYTFLR AMVFFMAIVV AYPPEGLLAT
 VTVCLSLTAK RLASKNCVVK NLEAVETLGS TSVICSDKTG TLTQNRMTVS
 HLWFDNIHT ADTTEDQSGQ TFDQSSETWR ALCRVLTLCN RAAFKSGQDA
 VPVPKRIVIG DASETALLKF SELTLGNAMG YRDRFPKVCE IPFNSTNKFQ
 LSIHTLEDPR DPRHLLVMKG APERVLERCS SILIKGQELP LDEQWREAFQ
 TAYLSLGGLG ERVLGFCQLY LNEKDYPFGY AFDVEAMNFP SSGLCFAGLV
 SMIDPPRATV PDAVLKCRTA GIRVIMVTGD HPITAKAIAA SVGIIEGSE
 TVEDIAARLR VPVDQVNRKD ARACVINGMQ LKMDPSELV EALRTHPEMV
 FARTSPQQKL VIVESCQRLG AIVAVTGDGV NDSPALKKAD IGVAMGIAGS
 DAAKNAADMI LLDDNFASIV TGVEQGRLIF DNLKKSIAYT LTKNIPELTP
 YLIYITVSV LPLGCITILF IELCTDIFPS VSLAYEKAES DIMHLRPRNP
 KRDRLVNEPL AAYSIFYQIGA IQSFAGFTDY FTAMAQEGWF PLLCVGLRAQ
 WEDHHLQDLQ DSYGQEWTFG QRLYQQYTCY TVFFISIEVC QIADVLIRKT
 RRLSAFQQGF FRNKILVIAI VFQVCIGCFL CYCPGMPNIF NFMPIRFQWW
 LVPLPYGILI FVYDEIRKLG VRCCPGSWWD QELYY

Applications Antibody Production; Functional Study; Compound Screening

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

Storage Buffer 25 mM Tris-HCl of pH8.0 containing 2% glycerol.

GENE INFORMATION

Gene Name [ATP4A ATPase, H+/K+ exchanging, alpha polypeptide \[Homo sapiens \]](#)

Official Symbol [ATP4A](#)

Synonyms ATP6A

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Gene ID	495
mRNA Refseq	NM_000704.2
Protein Refseq	NP_000695.2
MIM	137216
UniProt ID	P20648

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