

## Recombinant Mouse Atp4a protein, His/GST-tagged

**Cat. No.** Atp4a-20M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Atp4a(Pro786~Cys1014) fused with His/GST tag at N-terminal was expressed in E. coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	786-1014 a.a.
<b>Description</b>	ATPase, H <sup>+</sup> /K <sup>+</sup> exchanging, gastric, alpha polypeptide played an important role in many functions.
<b>Form</b>	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
<b>Molecular Mass</b>	58.7kDa
<b>AA Sequence</b>	MSPILGYWKI KGLVQPTRLLEYLEEKYEE HLYERDEGDK WRNKKFELGLEFPNLPYYID GDVKLTQSMA IIRYADKHN MLGGCPKERA EISMLEGAVL DIRYGVSR IAYSKDFETLKV DFLSKLPEML KMFEDRLCHK TYLNGDHVTH PDFMLYDALD VVLYMDPMCL DAFPKLVCFK KRIEAIQID KYLKSSKYIA WPLQGQWQATF GGGDHPKSD GSTSGSGHHH HHHSAGLVPR GSTAIGMKET AAKFERQHM DSPDLGTLEV LFQGPLGSEF- PELTP YLIYITVSVP LPLGCITILF IELCTDIFPS VSLAYEKAES DIMHLRPRNP KRDRLVNEPL AAYSFYQIGA IQSFAGFADY FTAMAQEGWF PLLCVGLRPQ WEDHHLQDLQ DSYGQEWTFG QRLYQQYTCY TVFFISIEMC QIADVLIRKT RRLSVFQQGF FRNKILVIAI

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VFQVCIGCFL CYCPGMPNIF NFMPIRFQWW LVPMPFGLLI FVYDEIRKLG VRCC

**Endotoxin** <1.0EU per 1g (determined by the LAL method)

**Purity** > 95%

**Applications** SDS-PAGE; WB; ELISA; IP.

**Storage** Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

**Reconstitution** Reconstitute in sterile PBS, pH7.2-pH7.4.

## GENE INFORMATION

**Gene Name** [Atp4a ATPase, H+/K+ exchanging, gastric, alpha polypeptide \[ Mus musculus \]](#)

**Official Symbol** [Atp4a](#)

**Synonyms** potassium-transporting ATPase alpha chain 1; ATPase, H+/K+ exchanging, alpha polypeptide; ATPase, H+/K+ transporting, alpha polypeptide; H+/K+-ATPase alpha; H+K+-transporting alpha 1; gastric H(+)/K(+) ATPase subunit alpha; proton pump

**Gene ID** [11944](#)

**mRNA Refseq** [NM\\_001290627](#)

**Protein Refseq** [NP\\_001277556](#)

**MIM**

**UniProt ID**

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<b>Chromosome Location</b>	7 B1; 7 19.2 cM
<b>Pathway</b>	Collecting duct acid secretion, organism-specific biosystem; Gastric acid secretion, conserved biosystem; Ion transport by P-type ATPases, organism-specific biosystem
<b>Function</b>	ATP binding; hydrogen:potassium-exchanging ATPase activity; magnesium ion binding

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