

Proteoliposomes

Full-Length

ATP4A (Human) Recombinant Protein

Catalog # H00000495-G01

Size 10 ug

Specification

Product Description

Human ATP4A full-length ORF (AAI67780.1) recombinant protein without tag.
This product is belong to Proteoliposome (PL).

Sequence

MGKAENYELYSVELGPGPGGDMAAKMSKKKKAGGGGGKRKEKLENMKKEMEINDHQLSVAEL
EQKYQTSATKGLSASLAAELLRLDGNALRPPRGTPPEYVKFARQLAGGLQCLMWVAAAICLIAFAI
QASEGDLTTDDNLYAIALIAVVVVTGCFGYQEFKSTNIIASFKNLVPQQATVIRDGDKFQINADQL
VVGDLVEMKGGDRVPADIRILAAQGCKVDNSSLTGESEPQTRSPECTHESPLETRNIAFFSTMCL
EGTVQGLVVNTGDRTIIGRIASLASGVENEKTPAIEIEHFVDIAGLAILFGATFFVAMCIGYTFGRAMV
FFMAIVVAVYPEGLLATVTVCLSLTAKRLASKNCVKNLEAVETLGSTSVICSDKTGTLTQNRMTV
SHLWFDNHIHTADTTEDQSGQTFDQSSETWRALCRVLTLCNRAAFKSGQDAVVPKRVIGDASE
TALLKFSELTLGNAMGYRDRFPKVCEIPFNSTNKFQLSIHTLEDPRDPRHLLVMKGAPERVLERC
SILIKGQELPLDEQWREAFQTAYLSLGGGLGERVLGFCQLYLNEKDYPPGYAFDVEAMNFPSSGLC
FAGLVSMIDPPRATVPDAVLKCRTAGIRVIMVTGDHPITAKAIAASVGISEGSETVEDIAARLRVPV
DQVNRKDARACVINGMQLKMDPSELVEALRTHPEMVFARTSPQQKLVIVESCQRLGAVAVTG
DGVNDSPALKKADIGVAMGIAGSDAAKNAADMILLDDNFASVTGVEQGRIFDNLKKSIAYTLT
KNIPELTPYLMTVSVPLPLGCITILFIELCTDIFPSVSLAYEKAESDIMHLRPRNPKRDLVNEPLAAYS
YFQIGAIQSFAGFTDYFTAMAQEGWFPLLCVGLRAQWEDHHLQDLQDSYGQEWTFGQRLYQQYTCY
TVFFISIEVCQIADVLIRKTRRLSAFQQGFFRNKILVIAVFQVCIGCFLCYCPGMPNIFNFMP
IRFQWWLVPLPYGILIFVYDEIRKLGVRCCPGSWWDQELYY

Host Wheat Germ (in vitro)

Theoretical MW (kDa) 113.9

Interspecies Antigen Sequence Mouse (97); Rat (98)

Form Liquid

Preparation Method [in vitro wheat germ expression system with proprietary liposome technology](#)

Purification None

Recommend Usage Heating may cause protein aggregation. Please do not heat this product before electrophoresis.

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

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

- Antibody Production

Gene Info — ATP4A

Entrez GeneID
[495](#)
GeneBank Accession#
[BC167780.1](#)
Protein Accession#
[AAI67780.1](#)
Gene Name

ATP4A

Gene Alias

ATP6A

Gene Description

 ATPase, H⁺/K⁺ exchanging, alpha polypeptide

Omim ID
[137216](#)
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 a catalytic alpha subunit of the gastric H⁺, K⁺-ATPase. [provided by RefSeq]

Other Designations

ATPase, H⁺/K⁺ transporting, alpha polypeptide|OTTHUMP00000045780|gastric H⁺/K⁺ ATPase alpha subunit|gastric H,K-ATPase catalytic subunit|gastric hydrogen-potassium ATPase|hydrogen/potassium-exchanging ATPase 4A|potassium-transporting ATPase alpha chain 1|

Pathway

- [Oxidative phosphorylation](#)