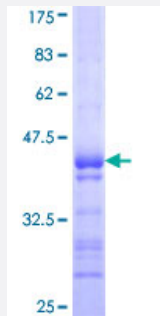


ATP12A (Human) Recombinant Protein (Q01)

Catalog # H00000479-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ATP12A partial ORF (NP_001667, 174 a.a. - 281 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	SSFNKMIPQQALVIRDSEKKTIPSEQLVVGDIKGGDQIPADIRVLSSQGCRVDNSSLTGESEP QPRSSEFTHENPLETKNICFYSTTCLEASTSPVGTVTGMVIN
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.62
Interspecies Antigen Sequence	Mouse (80)
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 — ATP12A

Entrez GeneID [479](#)

GeneBank Accession# [NM_001676](#)

Protein Accession# [NP_001667](#)

Gene Name ATP12A

Gene Alias ATP1AL1

Gene Description ATPase, H⁺/K⁺ transporting, nongastric, alpha polypeptide

Omim ID [182360](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene belongs to the family of P-type cation transport ATPases. This gene encodes a catalytic subunit of the ouabain-sensitive H⁺/K⁺ -ATPase that catalyzes the hydrolysis of ATP coupled with the exchange of H⁽⁺⁾ and K⁽⁺⁾ ions across the plasma membrane. It is also responsible for potassium absorption in various tissues. [provided by RefSeq]

Other Designations ATPase, Na⁺/K⁺ transporting, alpha polypeptide-like 1|ATPase, Na⁺K⁺ transporting, alpha-1 polypeptide-like|OTTHUMP00000018132|OTTHUMP00000042326|hydrogen/potassium-exchanging ATPase 12A|non-gastric H⁽⁺⁾/K⁽⁺⁾ ATPase alpha subunit|potassium-transporting ATP

Pathway

- [Oxidative phosphorylation](#)

Disease

- [Tobacco Use Disorder](#)