

# Sodium/potassium-transporting ATPase subunit alpha-1 (ATP1A1), partial Recombinant Protein | ATP1A1 recombinant protein

Recombinant Human Sodium/potassium-transporting ATPase subunit alpha-1 (ATP1A1), partial

|                               |                                                                 |
|-------------------------------|-----------------------------------------------------------------|
| CATALOG #<br><b>AAA113284</b> | HOST<br><b>E Coli or Yeast or Baculovirus or Mammalian Cell</b> |
|-------------------------------|-----------------------------------------------------------------|

## PRODUCT SYNONYMS

Sodium/potassium-transporting ATPase subunit alpha-1 (ATP1A1); partial; Recombinant Human Sodium/potassium-transporting ATPase subunit alpha-1 (ATP1A1); Recombinant Sodium/potassium-transporting ATPase subunit alpha-1 (ATP1A1); Sodium/potassium-transporting ATPase subunit alpha-1; Na(+)/K(+) ATPase alpha-1 subunit EC= 3.6.3.9; Sodium pump subunit alpha-1; ATP1A1 recombinant protein

## PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | E Coli or Yeast or Baculovirus or Mammalian Cell                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Purity/Purification     | Greater or equal to 85% purity as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Form/Format             | Lyophilized or liquid (Format to be determined during the manufacturing process)                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Sequence Positions      | 339-772aa; partial                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Sequence                | TVTVCLTLTA KRMARKNCLV KNLEAVETLG STTICSDKT GTLTQNRMTV AHMWFDNQIH EADTTENQSG<br>VSFDKTSATW LALSRIAGLC NRAVFQANQE NLPILKRAVA GDASESALLK CIELCCGSVK EMRERYAKIV<br>EIPFNSTNKY QLSIHKNPNT SEPQHLLVMK GAPERILDRC SSILLHGKEQ PLDEELKDAF QNAYLELGGL<br>GERVLGFCHL FLPDEQFPEG FQFDTDDVNF PIDNLCFVGL ISMIDPPRAA VPDVAVGKCRS AGIKVIMVTG<br>DHPITAKAIA KGVGIISEGN ETVEDIAARL NIPVSQVNPR DAKACVVHGS DLKDMTSEQL DDILKYHTEI<br>VFARTSPQQK LIIVEGCQRQ GAIVAVTGDG VNDSPALKKA DIGVAMGIAG SDVSKQAADM ILLDDNFASI<br>VTGVEEGRLI FDNL |
| Species                 | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Preparation and Storage | Store at -20 degree C. For extended storage, store at -20 or -80 degree C.                                                                                                                                                                                                                                                                                                                                                                                                                                      |

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 21361181                                                                                                                                                                                                                                                                                                                                                                                                     |
| NCBI GeneID                      | 476                                                                                                                                                                                                                                                                                                                                                                                                          |
| NCBI Accession #                 | NP_000692.2                                                                                                                                                                                                                                                                                                                                                                                                  |
| NCBI GenBank Nucleotide #        | NM_000701.7                                                                                                                                                                                                                                                                                                                                                                                                  |
| UniProt Accession #              | P05023; Q16689; Q6LDM4; Q9UCN1; Q9UJ20; Q9UJ21; B2RBR6; B7Z3U6                                                                                                                                                                                                                                                                                                                                               |
| Molecular Weight                 | 112,896 Da                                                                                                                                                                                                                                                                                                                                                                                                   |
| NCBI Official Full Name          | sodium/potassium-transporting ATPase subunit alpha-1 isoform a                                                                                                                                                                                                                                                                                                                                               |
| NCBI Official Synonym Full Names | ATPase, Na+/K+ transporting, alpha 1 polypeptide                                                                                                                                                                                                                                                                                                                                                             |
| NCBI Official Symbol             | ATP1A1                                                                                                                                                                                                                                                                                                                                                                                                       |
| NCBI Protein Information         | sodium/potassium-transporting ATPase subunit alpha-1; sodium pump 1; Na+/K+ ATPase 1; Na,K-ATPase alpha-1 subunit; sodium pump subunit alpha-1; Na+, K+ ATPase alpha subunit; Na(+)/K(+) ATPase alpha-1 subunit; Na, K-ATPase, alpha-A catalytic polypeptide; sodium-potassium-ATPase, alpha 1 polypeptide; Na,K-ATPase catalytic subunit alpha-A protein; sodium-potassium ATPase catalytic subunit alpha-1 |

|                            |                                                      |
|----------------------------|------------------------------------------------------|
| UniProt Protein Name       | Sodium/potassium-transporting ATPase subunit alpha-1 |
| UniProt Gene Name          | <b>ATP1A1</b>                                        |
| UniProt Synonym Gene Names | Na(+)/K(+) ATPase alpha-1 subunit                    |
| UniProt Entry Name         | AT1A1_HUMAN                                          |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/atp1a1-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/113284>