Recombinant Human ATP1A4 protein, GST-tagged

Cat. No. ATP1A4-964H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ATP1A4 full-length ORF (AAH28297, 1 a.a. - 165 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	The protein encoded by this gene belongs to the family of P-type cation transport ATPases, and to the subfamily of Na+/K+ -ATPases. Na+/K+ -ATPase is an integral membrane protein responsible for establishing and maintaining the electrochemical gradients of Na and K ions across the plasma membrane. These gradients are essential for osmoregulation, for sodium-coupled transport of a variety of organic and inorganic molecules, and for electrical excitability of nerve and muscle. This enzyme is composed of two subunits, a large catalytic subunit (alpha) and a smaller glycoprotein subunit (beta). The catalytic subunit of Na+/K+ -ATPase is encoded by multiple genes. This gene encodes an alpha 4 subunit. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]
Molecular Mass	43.89 kDa
AA Sequence	MIQALAGFFTYFVILAENGFRPVDLLGIRLHWEDKYLNDLEDSYGQQWTYEQRKVVE FTCQTAFFVTIVVVQWADLIISKTRRNSLFQQGMRNKVLIFGILEETLLAAFLSYTPGM DVALRMYPLKITWWLCAIPYSILIFVYDEIRKLLIRQHPDGWVERETYY

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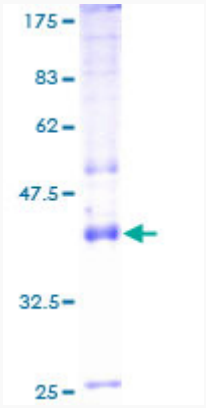
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	ATP1A4 ATPase Na+/K+ transporting subunit alpha 4 [Homo sapiens (human)]
Official Symbol	ATP1A4
Synonyms	ATP1A4; ATPase Na+/K+ transporting subunit alpha 4; ATP1A1; ATP1AL2; sodium/potassium-transporting ATPase subunit alpha-4; ATPase, Na+/K+ transporting, alpha 4 polypeptide; ATPase, Na+/K+ transporting, alpha polypeptide-like 2; Na(+)/K(+) ATPase alpha-4 subunit; Na+/K+ ATPase 4; Na+/K+ ATPase, alpha-D polypeptide; Na,K-ATPase subunit alpha-C; sodium pump 4; sodium pump subunit alpha-4; sodium-potassium ATPase catalytic subunit alpha-4; sodium/potassium-transporting ATPase alpha-4 chain; EC 3.6.3.9
Gene ID	480
mRNA Refseq	NM_001001734
Protein Refseq	NP_001001734
MIM	607321

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UniProt ID	Q13733



12.5% SDS-PAGE Stained with Coomassie Blue.

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