Recombinant Rat ATP1B4 protein, His & T7-tagged

Cat. No. ATP1B4-1535R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat ATP1B4 aa. (Met132~Thr356 (Accession # Q9R193)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Met132~Thr356
Description	This gene has been found in all vertebrate genomes sequenced to date. However, this gene has undergone a change in function in placental mammals compared to other species. Specifically, in fish, avian, and amphibian species, this gene encodes plasma membrane-bound beta-subunits of Na,K-ATPase. In placental mammals, the encoded protein interacts with the nuclear transcriptional coregulator SKIP and may be involved in the regulation of TGF-beta signaling. Two transcript variants encoding different isoforms have been found for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 29.5kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

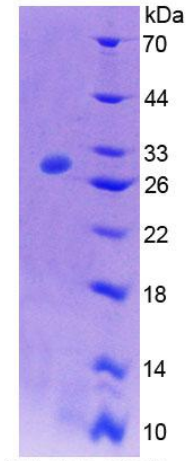
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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	5.3

GENE INFORMATION

Gene Name	ATP1B4 ATPase Na+/K+ transporting family member beta 4 [Homo sapiens (human)]
Official Symbol	ATP1B4
Synonyms	ATP1B4; ATPase Na+/K+ transporting family member beta 4; protein ATP1B4; ATPase, Na+/K+ transporting, beta 4 polypeptide; BetaM; Na,K-ATPase beta m-subunit; X,K-ATPase beta-m subunit; x/potassium-transporting ATPase subunit beta-m
Gene ID	23439
mRNA Refseq	NM_001142447.2

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Protein Refseq	NP_001135919.1
UniProt ID	Q9R193
SDS-PAGE	 15% SDS-PAGE

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