

RPG369Rb01 50µg

Recombinant ATPase, Na⁺/K⁺ Transporting Alpha 1 Polypeptide (ATP1a1)

Organism Species: *Oryctolagus cuniculus* (Rabbit)

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Prokaryotic expression

Host: *E.coli*

Residues: Thr339~Leu772

Tags: N-terminal His Tag

Subcellular Location: Membrane

Purity: > 90%

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

Original Concentration: 200µg/mL

Applications: Positive Control; Immunogen; SDS-PAGE; WB.

(May be suitable for use in other assays to be determined by the end user.)

Predicted isoelectric point: 5.3

Predicted Molecular Mass: 50.9kDa

Accurate Molecular Mass: 51kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

Stability Test: 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.

[SEQUENCE]

				TV TVCLTLTAKR
MARKNCLVKN	LEAVETLGST	STICSDKTGT	LTQNRMTVAH	MWFDNQIHEA
DTTENQSGVS	FDKTSATWLA	LSRIAGLCNR	AVFQANQENL	PILKRAVAGD
ASESALLKCI	ELCCGSVKEM	RERYTKIVEI	PFNSTNKYQL	SIHKNLNANE
PRHLLVMKGA	PERILDRCSS	ILLHGKEQPL	DEELKDAFQN	AYLELGGIGE
RVLGFCHLLL	PDEQFPEGFQ	FDTDEVNFPV	DNLCFIGLIS	MIDPPRAAVP
DAVGKCRSAG	IKVIMVTGDH	PITAKAIAKG	VGIISEGNET	VEDIAARLNI
PVSQVNPRDA	KACVVHGSDL	KDMTSEQLDD	ILKYHTEIVF	ARTSPQQLI
IVEGCQRQGA	IVAVTGDGVN	DSPALKKADI	GVAMGIAGSD	VSKQAADMIL
LDDNFASIVT	GVEEGRILFD	NL		

[IDENTIFICATION]

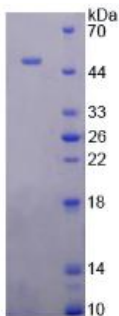


Figure. SDS-PAGE

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.