RPG374Hu01 100μg

Recombinant ATPase, Ca++ TransPorting,

Cardiac Muscle, Slow Twitch 2 (ATP2A2)

Organism Species: Homo sapiens (Human)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

10th Edition (Revised in Jan, 2014)

[PROPERTIES]

Residues: Ile315~Met756

Tags: Two N-terminal Tags, His-tag and GST-tag

Accession: P16615

Host: *E. coli*

Subcellular Location: Endoplasmic reticulum membrane; Multi-pass membrane protein. Sarcoplasmic reticulum membrane.

Purity: >90%

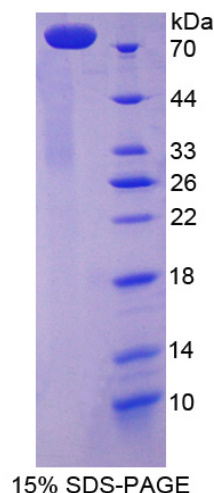**Endotoxin Level:** <1.0EU per 1μg (determined by the LAL method).

Formulation: Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.

Predicted isoelectric point: 6.4

Predicted Molecular Mass: 78.2kDa

Applications: SDS-PAGE; WB; ELISA; IP.

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

kDa
70
44
33
26
22
18
14
10

15% SDS-PAGE

[USAGE]

Reconstitute in sterile PBS, pH7.2-pH7.4.

[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 of the target protein. 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. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCES]

The sequence of the target protein is listed below.

ITTCLA LGTRRMAKKN AIVRSLPSVE TLGCTSVICS DKTGTLTTNQ MSVCRMFILD
RVEGDTCSLN EFTITGSTYA PIGEVHKDDK PVNCHQYDGL VELATICALC NDSALDYNEA
KGVYEKVGEA TETALTCLVE KMNVFDTELK GLSKIERANA CNSVIKQLMK KEFTLEFSRD
RKSMSVYCTP NKPSRTSMSK MFVKGAPEGV IDRCTHIRVG STKVPMTSGV KQKIMSVIRE
WGSGSDTLRC LALATHDNPL RREEMHLEDS ANFIKYETNL TFVGCVGMLD PPRIEVASSV
KLCRQAGIRV IMITGDNKGT AVAICRRIGI FGQDEDVTSK AFTGREFDEL NPSAQRDACL
NARCFARVEP SHKSKIVEFL QSFDEITAMT GDGVNDAPAL KKAEIGIAMG SGTAVAKTAS
EMVLADDNFS TIVAAVEEGR AIYNNM