

RPD024Hu01 1

Recombinant Ryanodine Receptor 2, Cardiac (RYR2)

Organism Species: Homo sapiens (Human)

Instruction manual

FOR RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)



[PROPERTIES]

Source: Prokaryotic expression

Host: E.coli

Residues: Met1~Arg606

Tags: N-terminal His Tag

Subcellular Location: Membrane

Purity: > 95%

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: 6.6

Predicted Molecular Mass: 71.5kDa

Accurate Molecular Mass: 71kDa 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]

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MADGGEGEDE IQFLRTDDEV VLQCTATIHK EQQKLCLAAE GFGNRLCFLE
STSNSKNVPP DLSICTFVLE QSLSVRALQE MLANTVEKSE GQVDVEKWKF
MMKTAQGGGH RTLLYGHAIL LRHSYSGMYL CCLSTSRSST DKLAFDVGLQ
EDTTGEACWW TIHPASKQRS EGEKVRVGDD LILVSVSSER YLHLSYGNGS
LHVDAAFQQT LWSVAPISSG SEAAQGYLIG GDVLRLLHGH MDECLTVPSG
EHGEEQRRTV HYEGGAVSVH ARSLWRLETL RVAWSGSHIR WGQPFRLRHV
TTGKYLSLME DKNLLLMDKE KADVKSTAFT FRSSKEKLDV GVRKEVDGMG
TSEIKYGDSV CYIQHVDTGL WLTYQSVDVK SVRMGSIQRK AIMHHEGHMD
DGISLSRSQH EESRTARVIR STVFLFNRFI RGLDALSKKA KASTVDLPIE
SVSLSLQDLI GYFHPPDEHL EHEDKQNRLR ALKNRQNLFQ EEGMINLVLE
CIDRLHVYSS AAHFADVAGR EAGESWKSIL NSLYELLAAL IRGNRKNCAQ
FSGSLDWLIS RLERLEASSG ILEVLHCVLV ESPEALNIIK EGHIKSIISL
LDKHGR
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[IDENTIFICATION]

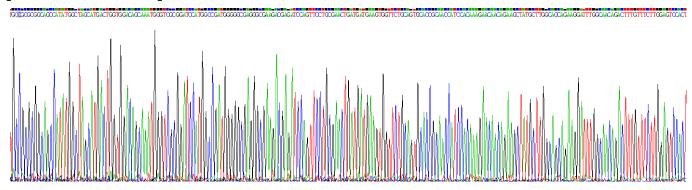


Figure . Gene Sequencing (extract)

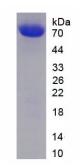


Figure. SDS-PAGE

[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.