

**RPE912Hu02 50µg**

**Recombinant Sirtuin 1 (SIRT1)**

**Organism Species: *Homo sapiens (Human)***

***Instruction manual***

**FOR RESEARCH USE ONLY**

**NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES**

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13th Edition (Revised in Aug, 2023)

## **[ PROPERTIES ]**

**Source:** Prokaryotic expression

**Host:** *E.coli*

**Residues:** Ala2~Ser747

**Tags:** N-terminal His Tag

**Subcellular Location:** Nucleus, Mitochondrion, Cytoplasm

**Purity:** > 90%

**Traits:** Freeze-dried powder

**Buffer formulation:** PBS, pH7.4, containing 5% Trehalose.

**Original Concentration:** 50µg/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:** 4.3

**Predicted Molecular Mass:** 85.3kDa

**Accurate Molecular Mass:** 85kDa as determined by SDS-PAGE reducing conditions.

## **[ USAGE ]**

Reconstitute in ddH<sub>2</sub>O to a concentration of 0.1-0.5 mg/mL. Do not vortex.

## **[ STORAGE AND STABILITY ]**

**Storage:** Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

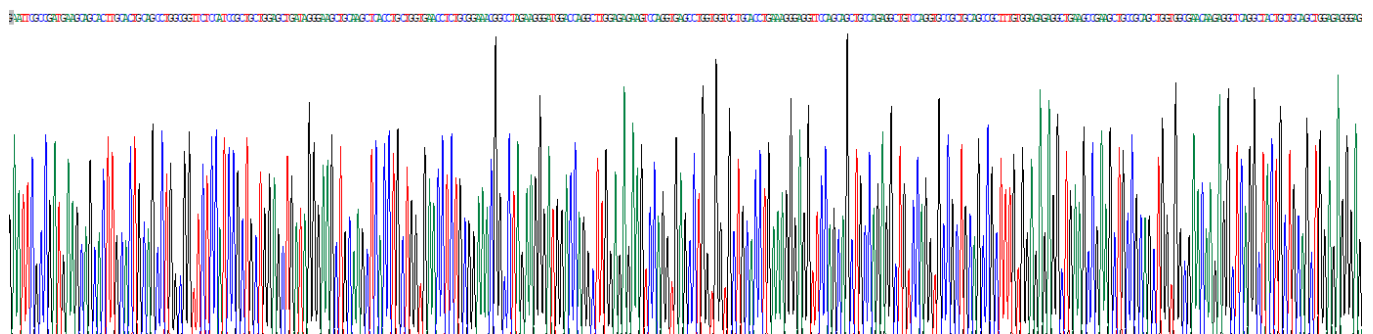
Aliquot and store at -80°C for 12 months.

**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.

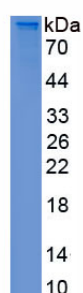
## **[ SEQUENCE ]**

ADEAALALQPGGSPSAAGADREAASSPAGEPLRKRPRRDGPGGLERSPGEPGGAAPERIEVP  
AAARGCPGAAAAALWREAEAEAAAAGGEQEAQATAAAGEGDNGPGLQGPSREPPLAD  
NLYDEDDDDDEGEEEEEEAAAAAIGYRDNLLFGDEIITNGFHSCESDEEDRASHASSSDWTPR  
PRIGPYTFVQQHLMIGTDPRTILKDLLPETIPPELDDMTLWQIVINILSEPPKRKKRKDINTI  
EDAVKLLQECKKIIVLTGAGVSVSCGIPDFRSRDGIYARLAVDFDLPDPQAMFDIEYFRKDP  
RPFFKFAKEIYPGQFQPSLCHKFIALSDKEGKLLRNYTQNIDTLEQVAGIQRIIQCHGSFATAS  
CLICKYKVDCEAVRGDIFNQVPRCPRCPADEPLAIMKPEIVFFGENLPEQFHRAMKYDKD  
EVDLLIVIGSSSLKVRPVALIPSSIPHEVPQILINREPLPHLHFDVELLGDVIELCHRLGGE  
YAKLCCNPVKLSEITEKPPRTQKELAYLSELPPTPLHVSEDSSSPERTSPPDSSVIVTLLDQAAK  
SNDDL DVSESKGCMEEKPQEVQTSRNVESIAEQMENPDLKNVGSSTGEKNERTSVAGTVR  
KCWPNRVAKEQISRRLDGNQYLFLPPNRYIFHGAEVYSDSEDDVLSSSSCGSNSDSGTCQS  
PSLEEPMEDESEIEEFYNGLEDEPDVPERAGGAGFGTDGDDQEAINAISVKQEVTDMMNY  
PSNKS

## [ 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.