RPE913Mu01 50µg

Recombinant Sirtuin 3 (SIRT3)

Organism Species: *Mus musculus (Mouse)*

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: Gly5~Arg257

Tags: N-terminal His Tag

Subcellular Location: Chromosome

Purity: > 90%

Traits: Freeze-dried powder

Buffer formulation: 100mMNaHCO$_3$, 500mMNaCl, pH8.3, 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: 6.4

Predicted Molecular Mass: 32.3kDa

Accurate Molecular Mass: 29/16kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in ddH$_2$O 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]

```
     GISTPS  GIPDFRSPGS  GLYSNLQQYD  IPYPEAIFEL  GFFFHNPKPF
FMLAKELYPG  HYRPNVTHYF  LRLLHDKELL  LRLYTQNIDG  LERASGIPAS
KLVEAHGTFV  TATCTVCRRS  FPGEDIWADV  MADRVPRCPV  CTGVVKPDIV
FFGEQLPARF  LLHMADFALA  DLLLILGTSL  EVEPFASLSE  AVQKSVPRLL
INRDLVGPFV  LSPRRKDVVQ  LGDVVHGVER  LVDLLGWTQE  LLDLMQRERG
KLDGQDR
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[IDENTIFICATION]

GAATTCGGCATCAGCACACCCAGTGGCATCCCGGACTTCAGATCCCCAGGGAGCGGCCTCTACAGCAACCTTCAGCAGTATGACATCCCGTACCTGAAGCCATCTTTGAACTTGGCTTTTTCTTTCACAACCCCAAGCCCTTTTTCATGTTGGCCAAGGAGCTGTACCCTGGGCACTAC
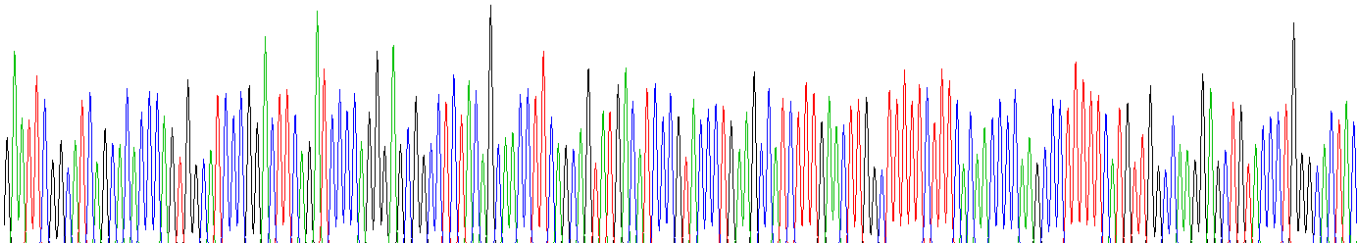

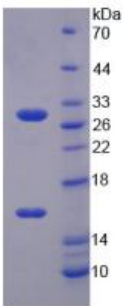**Figure . Gene Sequencing (extract)**

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.