

RPE914Mu01 10µg

Recombinant Sirtuin 4 (SIRT4)

Organism Species: *Mus musculus* (Mouse)

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: Ser26~Pro333

Tags: N-terminal His Tag

Subcellular Location: Mitochondrion

Purity: > 97%

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.

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: 8.4

Predicted Molecular Mass: 36.2kDa

Accurate Molecular Mass: 36kDa 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]

SGLFV PPSPLDPEK IKELQRFISL
SKKLLVMTGA GISTESGIPD YRSEKVGLYA RTDRRPIQHI DFVRSAPVRQ
RYWARNFVGW PQFSSHQPNP AHWALSNWER LGKLHWLVTQ NVDALHSKAG
SQRLTELHGC MHRVLCCLNCG EQTARRVLQE RFQALNPSWS AEAQGVAPDG
DVFLTEEQVR SFQVPCCDRC GGPLKPDVVF FGDTVNPDKV DFVHRRVKEA
DSLLVVGSSL QVYSGYRFIL TAREQKLPIA ILNIGPTRSD DLACLKLSR
CGELLPLIDP RRQHSQVQL EMNFPLSSAA QDP

[IDENTIFICATION]

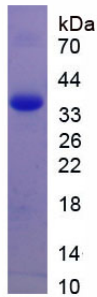


Figure. SDS-PAGE

[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.