

Recombinant Sirtuin 1 (SIRT1)

Instruction Manual

SIPE319Ra02

Rattus norvegicus (Rat)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Nucleus, Cytoplasm
Predicted Molecular Mass	58.5kDa
Accurate Molecular Mass	66kDa(Analysis of differences refer to the manual)
Residues & Tags	Met1~Tyr490 with N-terminal His Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Traits	Freeze-dried powder
Purity	> 90%
Isoelectric Point	4.7
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

```
MIGTDPRTIL KDLLPETIPP PELDDMTLWQ IVINILSEPP KRKKRKDINT
IEDAVKLLQE CKKIIVLTGA GVSVSCGIPD FRSRDGIYAR LAVDFPDLPD
PQAMFDIEYF RKDPRPFFKF AKEIYPGQFQ PSLCHKFIAL SDKEGKLLRN
YTQNIQTLEQ VAGIQRIIQC HGSFATASCL ICKYKVDCEA VRGDIFNQVV
PRCPRCPADE PLAIMKPEIV FFGENLPEQF HRAMKYDKDE VDLLIVIGSS
LKVRPVALIP SSIPHEVPQI LINREPLPHL HFDVELLGDC DVIINELCHR
LGGEYAKLCC NPVKLSEITE KPPRTQKELV HLSELPPTPL HISEDSSSPE
RTVPQDSSVI ATLVDQTIKN KVDDLEVSEP KSCVEEKSQE VQTYRNVESI
NVENPDFKAV GSSTGDKNER TSPAETVRKC WPNRLAKEQI SKRLDGNQYL
FVPPNRYIFH GAEVYDSED DALSSSSCGS NSDSGTCQSP SLEEPLDES
EIEEFYNGLE DDADRPECAG GSGADGGDQE AVNEAIAMKQ ELTDVNCTPD
KSEHY
```

USAGE

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL.
Do not vortex.

STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

STABILITY

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.

Image

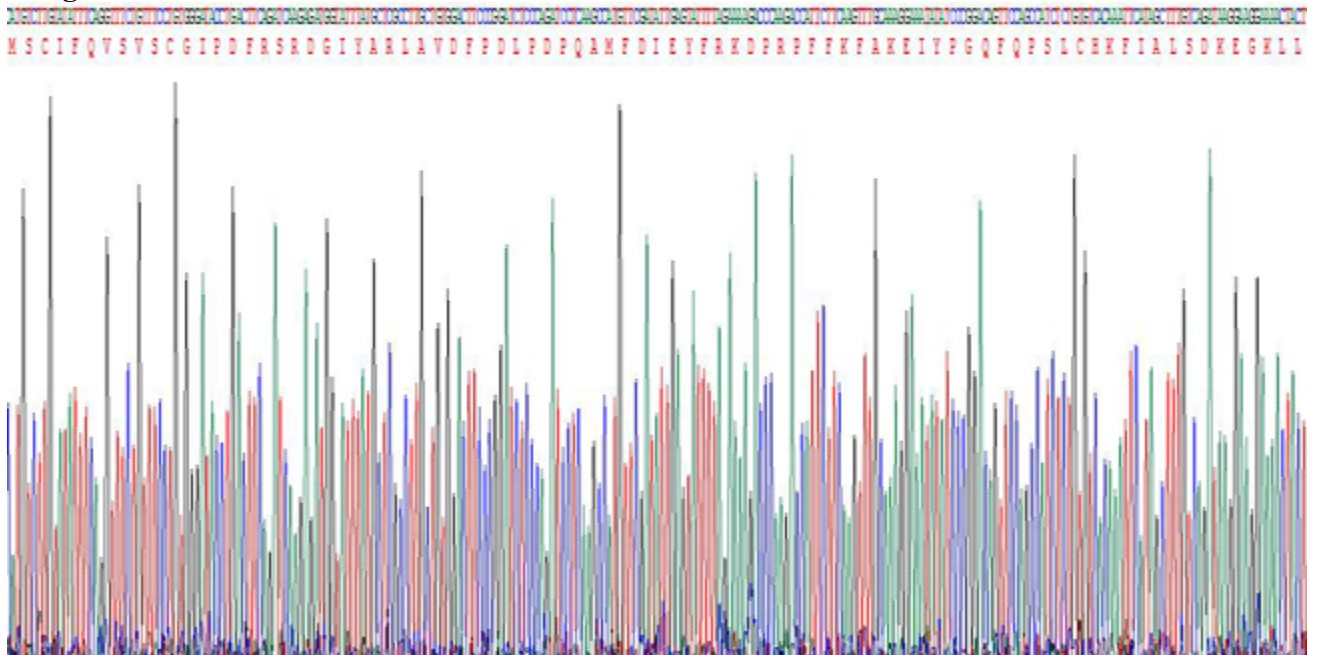


Figure. SDS-PAGE

[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.

