# Sirtuin 4 (SIRT4) Recombinant Protein | SIRT4 recombinant protein

Recombinant Sirtuin 4 (SIRT4)

| CATALOG # | HOST | REACTIVITY | APPLICATIONS |
|---|---|---|---|
| **AAA134630** | **E.coli** | **Rattus norvegicus (Rat)** | **Western Blot, SDS-Page** |

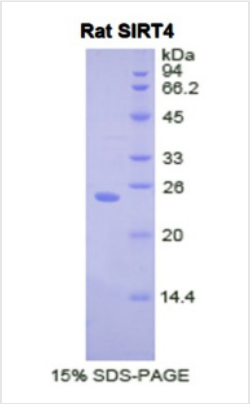
## PRODUCT SYNONYMS

Sirtuin 4 (SIRT4); Recombinant Sirtuin 4 (SIRT4); SIRT4 recombinant protein

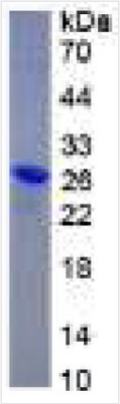
## PRODUCT SPECIFICATIONS

| | |
|---|---|
| **Host** | E.coli |
| **Reactivity** | Rattus norvegicus (Rat) |
| **Purity/Purification** | > 95% |
| **Form/Format** | PBS, pH7.4, containing 0.01% SKL, 5% Trehalose. |
| **Concentration** | Original Concentration: 1300ug/mL (varies by lot) |
| **Sequence** | AGISTESGIP DYRSEKVGLY ARTDRRPIQH IDFIRSAPVR QRYWARNFVG WPQFSSHQPN PAHWALSNWE KLGKLHWLVT QNVDALHSKA GNQRLTELHG CMHRVLCLSC GEQTARRVLQ DRFQALNPSW SAEAQGVAPD GDVFLTEEQV RSFRVPCCDR CGGPLKPDVV FFGDTVNPDK VDFVHQRVKE ADSLLV |
| **Applicable Applications for SIRT4 recombinant protein** | WB (Western Blot), SDS-PAGE, Immunogen, Positive Control |
| **Source** | Prokaryotic expression |
| **Residues** | Ala60~Val255 |
| **Tags** | N-terminal His Tag |
| **Subcellular Location** | Mitochondrion |
| **Traits** | Freeze-dried powder |
| **Predicted isoelectric point** | 7.8 |
| **Usage** | Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex. |
| **Preparation and Storage** | **Storage:**<br>Avoid repeated freeze/thaw cycles.<br>Store at 2-8 degree C for one month.<br>Aliquot and store at -80 degree C for 12 months.<br><br>**Stability Test:**<br>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 degree 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. |

## IMAGES




SDS-PAGE

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## NCBI AND UNIPROT INFORMATION

| | |
|---|---|
| **NCBI GI #** | 157821297 |
| **NCBI GeneID** | 304539 |
| **NCBI Accession #** | NP_001100617.1 |
| **NCBI GenBank Nucleotide #** | NM_001107147.1 |
| **UniProt Accession #** | G3V641 |
| **Molecular Weight** | Predicted Molecular Mass: 23.5kDa<br>Accurate Molecular Mass: 26kDa as determined by SDS-PAGE reducing conditions. |
| **NCBI Official Full Name** | NAD-dependent ADP-ribosyltransferase sirtuin-4 |
| **NCBI Official Synonym Full Names** | sirtuin 4 |
| **NCBI Official Symbol** | Sirt4 |
| **NCBI Protein Information** | NAD-dependent ADP-ribosyltransferase sirtuin-4 |
| **UniProt Protein Name** | Protein Sirt4 |
| **UniProt Gene Name** | **Sirt4** |
| **UniProt Synonym Gene Names** | Sirt4_predicted |
| **UniProt Entry Name** | G3V641_RAT |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://www.aaabiotech.com/sirt4-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/134630