

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

Recombinant Sirtuin 4 (SIRT4)

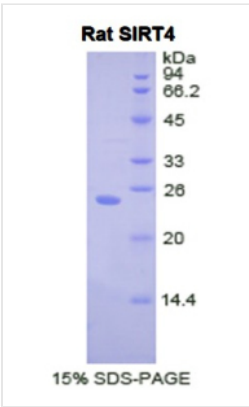
|                               |                       |                                              |                                               |
|-------------------------------|-----------------------|----------------------------------------------|-----------------------------------------------|
| CATALOG #<br><b>AAA134630</b> | HOST<br><b>E.coli</b> | REACTIVITY<br><b>Rattus norvegicus (Rat)</b> | APPLICATIONS<br><b>Western Blot, SDS-Page</b> |
|-------------------------------|-----------------------|----------------------------------------------|-----------------------------------------------|

### 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<br>KLGKHLHWLVT QNVDAHLSKA GNQRLTELHG CMHRVLCCLSC GEQTARRVLQ DRFQALNPSW SAEAQGVAPD<br>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                               | <p><b>Storage:</b><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.</p> <p><b>Stability Test:</b><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.</p> |



SDS-PAGE



SDS-PAGE

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                | <b>Sirt4</b>                                                                                                       |
| 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://stage.aaabiotech.com/sirt4-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/134630>