

## Recombinant Mouse Sirt5 protein, His&Myc-tagged

**Cat. No.** Sirt5-4555M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse Sirt5 protein(Q8K2C6)(37–310aa), fused to N-terminal His tag and C-terminal Myc tag, was expressed in E. coli.                                                                                                                                                                |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | 37–310aa                                                                                                                                                                                                                                                                                        |
| <b>Form</b>             | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.                                                              |
| <b>Molecular Mass</b>   | 37.6 kDa                                                                                                                                                                                                                                                                                        |
| <b>AA Sequence</b>      | SSNMADFRKCFANAKHIAIISGAGVSAESGVPTFRGAGGYWRKWQAQDLATPQAFA<br>RNPSQVWEFYHYRREVMRSKEPNPGHLAIAQCEARLRDQGRRVVITQNIDELHRK<br>AGTKNLLEIHGTLFKTRCTSCGTVAENYRSPICPALAGKGAPETQDARIPVDKLPR<br>CEEAGCGGLLRPHVWVFGENLDPAILEEVDRELALCDLCLVVGTSVVYPAAAMFAP<br>QVASRGVPVAEFNMETTPATDRFRFHFPGPCGKTLPEALAPHETERTS |
| <b>Purity</b>           | Greater than 85% as determined by SDS-PAGE.                                                                                                                                                                                                                                                     |
| <b>Storage</b>          | Store at -20°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                        |

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**Reconstitution**

Reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C.

**GENE INFORMATION**
**Gene Name**

Sirt5 sirtuin 5 (silent mating type information regulation 2 homolog) 5 (*S. cerevisiae*) [*Mus musculus*]

**Official Symbol**

Sirt5

**Synonyms**

SIRT5; sirtuin 5 (silent mating type information regulation 2 homolog) 5 (*S. cerevisiae*); NAD-dependent lysine demalonylase and desuccinylase sirtuin-5, mitochondrial; SIR2-like protein 5; NAD-dependent deacetylase sirtuin-5; AV001953; 0610012J09Rik; 1500032M05Rik;

**Gene ID**

68346

**mRNA Refseq**

NM\_178848

**Protein Refseq**

NP\_849179

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