



Recombinant Mouse SIRT5 Protein Product Manual

1. Product Basic Information

Product No.: REP08236

Protein Name: Sirtuin Sir2-Like Sirtuin Type Nad-Dependent Deacetylase Sirtuin-Nad-Dependent Protein Deacylase Sirtuin-5, Mitochondrial (SIRT5)

Aliases: sirtuin sir2-like sirtuin type NAD-dependent deacetylase sirtuin-NAD-dependent protein deacylase sirtuin-5, mitochondrial

UniProt ID: Q9NXA8

UniProt Link: <https://www.uniprot.org/uniprotkb/Q9NXA8/entry>

Species Source: Mus musculus (Mouse)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (37–310aa)

Molecular Weight: 37.6 kDa

Protein Tag: N-terminal 10xHis-tagged and C-terminal Myc-tagged

2. Amino Acid Sequence (37–310aa)

SSNMADFRKCFANAKHIAIISGAGVSAESGVPTFRGAGGYWRKWQAQDLATPQAF
ARNPSQVWEFYHYRREVMRSKEPNPGHLAIAQCEARLRDQGRRVVITQNIDELH
RKAGTKNLLIEIHGTLFKTRCTSCGTVAENYRSPICPALAGKGAPEPETQDARIPVDK
LPRCEEAGCGLLRPHVWVWFGENLDPAILVEVDRELALCDLCLVVGTSVVYPAAM
FAPQVASRGVPVAEFNMETTPATDRFRFHFPGPCGKTLPEALAPHETERTS

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions



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Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Mouse SIRT5 full length of mature protein protein (37–310aa) expressed in E.coli. The protein is dual-tagged with 10xHis tag at the N-terminus and Myc tag at the C-terminus, which facilitates protein purification, detection and identification. SIRT5, also known as sirtuin sir2-like sirtuin type NAD-dependent deacetylase sirtuin-NAD-dependent protein deacylase sirtuin-5, mitochondrial, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.