

Recombinant Human SIRT7 Protein Product Manual

1. Product Basic Information

Product No.: REP08237

Protein Name: Sirtuin Sirtuin Type Sir2-Like Protein Sir2-Related Protein Type Regulatory Protein Sir2 Homolog Nad-Dependent Deacetylase Sirtuin-Nad-Dependent Protein Deacylase Sirtuin-Nad-Dependent Protein Deacetylase Sirtuin-Silent Mating Type Information Regulation 2, S.Cerevisiae, Homolog 7 (SIRT7)

Aliases: sirtuin sirtuin type SIR2-like protein sir2-related protein type regulatory protein SIR2 homolog NAD-dependent deacetylase sirtuin-NAD-dependent protein deacylase sirtuin-NAD-dependent protein deacety...

UniProt ID: Q9NRC8

UniProt Link: <https://www.uniprot.org/uniprotkb/Q9NRC8/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-400aa)

Molecular Weight: 52.3 kDa

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

2. Amino Acid Sequence (1-400aa)

MAAGGLSRSERKAAERVRRLREEQQRERLRQVSRILRKAAAERSAEEGRLLAESA
DLVTELQGRSRRREGLKRRQEEVCDDPEELRGKVRELASAVRNAKYLVVYTGAGIS
TAASIPDYRGPNGVWTLQKGRSVSAADLSEAEP TLTHMSITRLHEQKLVQHVVVSQ
NCDGLHLRSGLPRTAISELHGNYIEVCTSCVNPNEYVRVFDVTERTALHRHQ TGR
TCHKCGTQLRDTIVHFGERGTLGQPLNWEAATEAASRADTILCLGSSLKVLK KYPRL
WCMTKPPSRRPKLYIVNLQWTPKDDWAALKLHGKDDVMRLLMAELGLEIPAYS R
WQDPIFSLATPLRAGEEGSHSRKSLCRSREEAPPGDRGAPLSSAPILGGWFG RGC
TKRTRKRVKT

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)



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

4. Storage Conditions

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 Human SIRT7 full length protein (1-400aa) 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. SIRT7, also known as sirtuin sirtuin type SIR2-like protein sir2-related protein type regulatory protein SIR2 homolog NAD-dependent deacetylase sirtuin-NAD-dependent protein deacetylase sirtuin-NAD-dependent protein deacetylase sirtuin-silent mating type information regulation 2, *S.cerevisiae*, homolog 7, 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.