

Recombinant Human SIRT1 Protein Product Manual

1. Product Basic Information

Product No.: REP08233

Protein Name: SIRT1

Aliases: SIR2; SIR2L1; SIR2alpha

UniProt ID: Q96EB6

UniProt Link: <https://www.uniprot.org/uniprotkb/Q96EB6/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (2-747aa)

Molecular Weight: 85.5kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (2-747aa)

ADEAALALQPGGSPSAAGADREAASSPAGEPLRKRPRRDGPGLERSPGEPGGAA
PEREVPAAARGCPGAALWREAEAEAAAAGGEQEAQATAAAGEGDNGPGLQG
PSREPPLADNLYDEDDDEGEEEEAAAAAIGYRDNLLFGDEIITNGFHSCESDEED
RASHASSDWTTPRPRIGPYTFVQQHLMIGTDPRTILKDLLPETIPPELDDMTLWQIV
INILSEPPKRKKRDKINTIEDAVKLLQECKKIIVLTGAGVSVSCGIPDFRSRDGIYARLA
VDFPDLDPQAMFDIEYFRKDPRPFFKFAKEIYPGQFQPSLCHKFIALSDKEGKLLR
NYTQNIQTLEQVAGIQRIIQCHGSFATASCLICKYKVDCEAVRGDIFNQVPRCPRCP
ADEPLAIMKPEIVFFGENLPEQFHRAMKYDKDEVDLLIVIGSSLKVRPVALIPSSIPHE
VPQILINREPLPHLHFDVELLGDVIELCHRLGGGEYAKLCCNPVKLSEITEKPPRT
QKELAYLSELPTPLHVSEDSSSPERTSPPDSSVIVTLLDQAAKSNDDLVDVSESKGC
MEEKPQEVQTSRNVESIAEQMENPDLKNVGSSTGEKNERTSVAGTVRKCWPNRV
AKEQISRRLDGNQYLFLPPNRYIFHGAEVYSDSEDDVLSSSSCGSNSDSGTCQSPS
LEEPMEDESEIEEFYNGLEDEPDVPERAGGAGFGTDGDDQEAINAISVKQEVTD
MNYPSNKS

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom



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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

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 SIRT1 full length of mature protein protein (2-747aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. SIRT1, also known as SIR2 or SIR2L1 or SIR2alpha, 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.