

Recombinant Human XRCC4 Protein Product Manual

1. Product Basic Information

Product No.: REP08666

Protein Name: Dna Repair Protein Xrcc4 (XRCC4)

Aliases: SSMED; hXRCC4; DNA repair protein XRCC4

UniProt ID: Q13426

UniProt Link: <https://www.uniprot.org/uniprotkb/Q13426/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-336aa)

Molecular Weight: 65.3kDa

Protein Tag: N-terminal GST-tagged

2. Amino Acid Sequence (1-336aa)

MERKISRIHLVSEPSITHFLQVSWEKTLESGFVITLTDGHSAWTGTVSESEISQEADD
MAMEKGGKYVGELRKALLSGAGPADVYTFNFSKESCYFFFEKNLKDVSFRLGSFNLE
KVENPAEVIRELICyclDTIAENQAKNEHLQKENERLLRDWNDVQGRFEKCVSAKE
ALETDLYKRFILVLNEKTKIRSLHNKLLNAAQEREKDIKQEGETAICSEMTADRPV
YDESTDEESENQTDLSGLASAAVSKDDSISSLDVTDIAPSRKRRQRMQRNLGTEPK
MAPQENQLQEKENSRPDSSLPETSKKEHISAENMSLETLRNSSPEDLFDEI

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

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the



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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 XRCC4 full length protein (1-336aa) expressed in E.coli. The protein is with GST tag at the N-terminus, which facilitates protein purification, detection and identification. XRCC4, also known as SSMD or hXRCC4 or DNA repair protein XRCC4, 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.