

Recombinant strain ATCC 204508 / S288c RAD52 Protein Product Manual

1. Product Basic Information

Product No.: REP08004

Protein Name: Rad52 Dna Repair Protein (RAD52)

Aliases: RAD52 DNA repair protein; recombination protein RAD52; DNA repair protein RAD52 homolog; RAD52 homolog, DNA repair protein; rhabdomyosarcoma antigen MU-RMS-40.23

UniProt ID: P43351

UniProt Link: <https://www.uniprot.org/uniprotkb/P43351/entry>

Species Source: *Saccharomyces cerevisiae* (strain ATCC 204508 / S288c) (Baker's yeast)

Expression System: *E. coli*

Protein Length: Partial (60-282aa)

Molecular Weight: 41.1kDa

Protein Tag: N-terminal 6xHis-SUMO-tagged

2. Amino Acid Sequence (60-282aa)

IFGYNGWSTEVKSVVIDFLDERQGGKFSIGCTAIVRVTLTSGTYREDIGYGTVENERR
KPAAFERAKKSAVTDALKRSLRGGFGNALGNCLYDKDFLAKIDKVKFDPPDFDENLNF
RPTDEISESSRTNTLHENQEQQQYPNKRRQLTKVTNTNPDSTKNLVKIENTVSRGT
PMMAAPAEANSKNSSNKDSDLKSLDASKQDQDLDLDDSLMFSDDFQDDDLINM

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 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 strain ATCC 204508 / S288c RAD52 partial protein (60-282aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. RAD52, also known as RAD52 DNA repair protein or recombination protein RAD52 or DNA repair protein RAD52 homolog, 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.