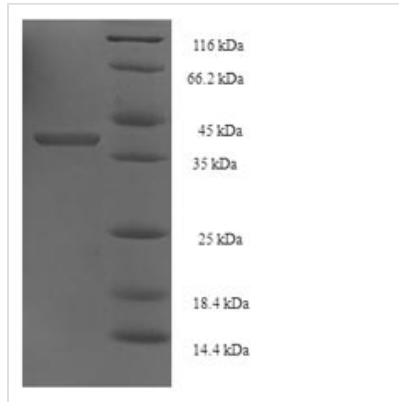




Recombinant *Saccharomyces cerevisiae* DNA repair and recombination protein RAD52 (RAD52), partial

Product Code	CSB-EP361943SVG
Relevance	Involved in DNA double-strand break (DSB) repair and recombination. Promotes the annealing of complementary single-stranded DNA and by stimulation of the RAD51 recombinase.
Abbreviation	Recombinant <i>Saccharomyces cerevisiae</i> RAD52 protein, partial
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P06778
Product Type	Recombinant Protein
Immunogen Species	<i>Saccharomyces cerevisiae</i> (strain ATCC 204508 / S288c) (Baker's yeast)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	IFGYNGWSTEVKSVVIDFLDERQGKFSIGCTAIVRVTLTSGTYREDIGYGTVEN ERRKPAAFERAKKSAVTDALKRSLRGFGNALGNCLYDKDFLAKIDKVKFDPPD FDENNLFRPTDEISESSRTNTLHENQEQQQYPNKRRLTKVTNTNPDSTKNLV KIENTVSRGTPMMAAPAEANSKNSSNKDSDLKSLDASKQDQDDLLDDSLMFS DDFQDDDLINM
Research Area	Others
Source	E.coli
Target Names	RAD52
Expression Region	60-282aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	41.1kDa
Protein Length	Partial
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

Delve into the fascinating world of DNA repair and recombination research with the Recombinant *Saccharomyces cerevisiae* RAD52. This product, derived from the well-established model organism Baker's yeast (*Saccharomyces cerevisiae*, strain ATCC 204508 / S288c), presents a remarkable tool for studying DNA damage response and its role in genetic stability. The protein encoded by the RAD52 gene plays a crucial part in homologous recombination repair, making it a subject of keen interest in genetics and molecular biology.

This recombinant RAD52 variant encompasses a partial sequence (60-282 amino acids), conserving essential functionalities to facilitate your research endeavors. The protein, expressed in *E. coli*, carries an N-terminal 6xHis-SUMO tag to facilitate its easy identification and purification. The SDS-PAGE analysis vouches for its high purity level, exceeding 90%. Choose between liquid or lyophilized powder form based on your lab's requirements. With the Recombinant *Saccharomyces cerevisiae* RAD52, you're not just purchasing a product; you're ensuring precise, high-quality, and reliable results for your research.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.