

DNA repair and recombination protein RAD52 (RAD52) Recombinant Protein | RAD52 recombinant protein

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

CATALOG # AAA115753	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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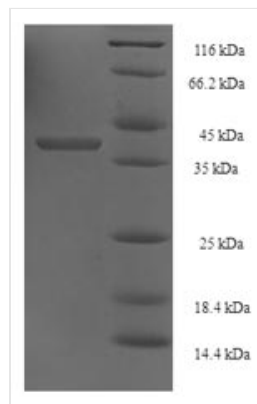
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	60-282aa; Partial
Sequence	IFGYNGWSTE VKSVVIDFLD ERQGKFSIGC TAIVRVTLTS GTYREDIGYG TVENERRKPA AFERAKKSAV TDALKRSLRG FGNALGNCLY DKDFLAKIDK VKFDPPDFDE>NNLFRPTDEI SESSRTNTLH ENQEQQQYPN KRRQLTKVTN TNPDSTKNLV KIENTVSRGT PMMAAPAEAN SKNSSNKD TD LKSLDASKQD QDDLDDSLM FSDDFQDDDL INM
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for RAD52 recombinant protein	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.
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References	Primary structure of the RAD52 gene in <i>Saccharomyces cerevisiae</i>. Adzuma K., Ogawa T., Ogawa H. <i>Mol. Cell. Biol.</i> 4:2735-2744(1984) The nucleotide sequence of <i>Saccharomyces cerevisiae</i> chromosome XIII. Bowman S., Churcher C.M., Badcock K., Brown D., Chillingworth T., Connor R., Dedman K., Devlin K., Gentles S., Hamlin N., Hunt S., Jagels K., Lye G., Moule S., Odell C., Pearson D., Rajandream M.A., Rice P., Skelton J., Walsh S.V., Whitehead S., Barrell B.G. <i>Nature</i> 387:90-93(1997) Approaching a complete repository of sequence-verified protein-encoding clones for <i>Saccharomyces cerevisiae</i>. Hu Y., Rolfs A., Bhullar B., Murthy T.V.S., Zhu C., Berger M.F., Camargo A.A., Kelley F., McCarron S., Jepson D., Richardson A., Raphael J., Moreira D., Taycher E., Zuo D., Mohr S., Kane M.F., Williamson J., Simpson A.J.G., Bulyk M.L., Harlow E., Marsischky G., Kolodner R.D., LaBaer J. <i>Genome Res.</i> 17:536-543(2007) The Rad52-Rad59 complex interacts with Rad51 and replication protein A. Davis A.P., Symington L.S. <i>DNA Repair</i> 2:1127-1134(2003) Global analysis of protein expression in yeast. Ghaemmaghami S., Huh W.-K., Bower K., Howson R.W., Belle A., Dephoure N., O'Shea E.K., Weissman J.S. <i>Nature</i> 425:737-741(2003) Multiple start codons and phosphorylation result in discrete Rad52 protein species. Antunez de Mayolo A., Lisby M., Erdeniz N., Thybo T., Mortensen U.H., Rothstein R. <i>Nucleic Acids Res.</i> 34:2587-2597(2006) Microarray-based genetic screen defines SAW1, a gene required for Rad1/Rad10-dependent processing of recombination intermediates. Li F., Dong J., Pan X., Oum J.-H., Boeke J.D., Lee S.E. <i>Mol. Cell</i> 30:325-335(2008) A multidimensional chromatography technology for in-depth phosphoproteome analysis. Albuquerque C.P., Smolka M.B., Payne S.H., Bafna V., Eng J., Zhou H. <i>Mol. Cell. Proteomics</i> 7:1389-1396(2008)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	27808713
NCBI GeneID	854976
NCBI Accession #	NP_013680.2
NCBI GenBank Nucleotide #	NM_001182390.1
UniProt Accession #	P06778; D6VZE2
Molecular Weight	41.1 kDa
NCBI Official Full Name	recombinase RAD52
NCBI Official Symbol	RAD52
NCBI Protein Information	recombinase RAD52
UniProt Protein Name	DNA repair and recombination protein RAD52
UniProt Gene Name	RAD52
UniProt Entry Name	RAD52_YEAST

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.