Recombinant Human RAD52 Homolog (S. Cerevisiae)

Cat. No. RAD52-2667H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RAD52 Homolog (S. Cerevisiae) is expressed in*E. coli.*
Species	Human
Source	E.coli
Description	The protein encoded by this gene shares similarity with Saccharomyces cerevisiae Rad52, a protein important for DNA double-strand break repair and homologous recombination. This gene product was shown to bind single-stranded DNA ends, and mediate the DNA-DNA interaction necessary for the annealing of complementary DNA strands. It was also found to interact with DNA recombination protein RAD51, which suggested its role in RAD51 related DNA recombination and repair.
Purity	> 90% as judged from SDS-PAGE analysis.
Form	1.0 mg/ml in 20 mM potassium phosphate pH 7.5; 200 mM KCl, 2 mM 2ME, 0.5 mM EDTA, 20% glycerol.
Usage	1) Studies on homologous recombination in mammals including human.2) Studies on the interaction of Rad52 protein with various proteins.3) To be used as a standard for western blotting.
Storage	-70°C.

GENE INFORMATION

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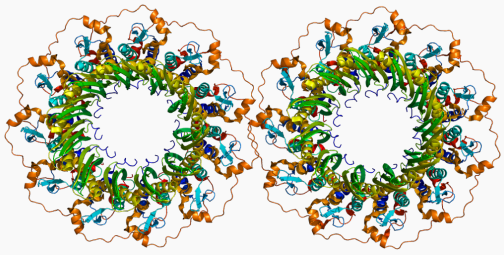
Gene Name	RAD52 RAD52 homolog (S. cerevisiae) [Homo sapiens]
Synonyms	RAD52; RAD52 homolog (S. cerevisiae); DNA repair protein RAD52 homolog; recombination protein RAD52; rhabdomyosarcoma antigen MU-RMS-40.23
Gene ID	5893
mRNA Refseq	NM_134424
Protein Refseq	NP_602296
MIM	600392
UniProt ID	P43351
Chromosome Location	12p13-p12.2
Pathway	Homologous recombination; DNA Repair
Function	DNA binding; protein binding
PDB rendering based on 1h2i.	

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