Recombinant Full Length Human RAD52, GST-tagged

Cat. No. RAD52-2668H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RAD52 (1 a.a. - 418 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	Wheat Germ
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.
Molecular Mass	46 kDa
AA Sequence	MSGTEEAILGGRDSHPAAGGGSVLCFGQCQYTAEEYQAIQKALRQRLGPEYISSRM AGGGQKVCYIEGHRVINLA NEMFGYNGWAHSITQQNVDFVDLNNGKFYVGVCAFV RVQLKDGSYHEDVGYGVSEGLKSKALSLEKARKEAVTDG LKRALRSFGNALGNCIL DKDYLRSLNKLPRQLPLEVDLTKAKRQDLEPSVEEARYNSCRPNMALGHPQLQQVT SP SRPSHAVIPADQDCSSRSLSSSAVESEATHQRKLRQKQLQQQFRERMEKQQVR VSTPSAEKSEAAPPAPPVTHST PVTVSEPLLEKDFLAGVTQELIKTLEDNSEKWAVT PDAGDGVVKPSSRADPAQTSDTLALNNQMVTQNRTPHSVC HQKPQAKSGSWDLQ TYSADQRTTGNWESHRKSQDMKKRKYDPS

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	ELISA; WB-Re; AP; Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	RAD52 RAD52 homolog (S. cerevisiae) [Homo sapiens]
Official Symbol	RAD52
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	Assembly of the RAD51-ssDNA nucleoprotein complex; DNA damage response; Double-Strand Break Repair

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Function	DNA binding; identical protein binding; protein binding

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA