

Recombinant Full Length Human RAD52 Protein, GST-tagged

Cat. No. RAD52-423HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human RAD52 (1 a.a. - 418 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	In Vitro Cell Free System
Protein Length	418 amino acids
Description	The protein encoded by this gene shares similarity with <i>Saccharomyces cerevisiae</i> 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	MSGTEEAILG GRDSPAAGG GSVLCFGQCQ YTAEEYQAIQ KALRQRLGPE YISSRMAGGG QKVCYIEGHR VINLANEMFG YNGWAHSITQ QNVDFVDLNN GKFYVGVCAF VRVQLKDGSY HEDVGYGVSE GLKSKALSLE KARKEAVTDG LKRALRSFGN ALGNCILDKD YLRSLNKLPR QLPLEVDLTK AKRQDLEPSV EEARYNSCRP NMALGHPQLQ QVTSPSRPSH AVIPADQDCS SRSLSSSAVE SEATHQRKLR QKQLQQQFRE RMEKQQVRVS TPSAEKSEAA PPAPPVTHST PVTVSEPLLE KDFLAGVTQE LIKTLEDNSE KWAVTPDAGD GVVKPSSRAD

 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



PAQTSDLAL NNQMVTQNRTPHSVCHQKPQ AKSGSWDLQT YSADQRTTGN
WESHRKSQDM KKRKYDPS

Applications ELISA; WB-Re; AP; Array

Storage Store at -80 centigrade. 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

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