Recombinant Human RAD52 Protein, MYC/DDK-tagged

Cat. No. RAD52-682H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RAD52, transcript variant 3, fused with MYC/DDK tag at C-terminal was expressed in HEK293 cells.
Species	Human
Source	HEK293
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. A pseudogene of this gene is present on chromosome 2. Alternative splicing results in multiple transcript variants. Additional alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known.
Form	25mM Tris-HCl, pH 7.3, 100mM glycine, and 10% glycerol.
Molecular Mass	46 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

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

GENE INFORMATION

Gene Name	RAD52 RAD52 homolog (S. cerevisiae) [Homo sapiens]
Official Symbol	RAD52
Synonyms	RAD52; RAD52 homolog (S. cerevisiae); RAD52 (S. cerevisiae) homolog; 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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