Recombinant Human RAD51C Protein, His-tagged

Cat. No. RAD51C-680H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RAD51C, transcript variant 2, fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Description	This gene is a member of the RAD51 family. RAD51 family members are highly similar to bacterial RecA and Saccharomyces cerevisiae Rad51 and are known to be involved in the homologous recombination and repair of DNA. This protein can interact with other RAD51 paralogs and is reported to be important for Holliday junction resolution. Mutations in this gene are associated with Fanconi anemia-like syndrome. This gene is one of four localized to a region of chromosome 17q23 where amplification occurs frequently in breast tumors. Overexpression of the four genes during amplification has been observed and suggests a possible role in tumor progression. Alternative splicing results in multiple transcript variants.
Form	25mM Tris, pH8.0, 150 mM NaCl, 10% glycerol, 1 % Sarkosyl.
Molecular Mass	14.7 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

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GENE INFORMATION

Gene Name	RAD51C RAD51 homolog C (S. cerevisiae) [Homo sapiens]
Official Symbol	RAD51C
Synonyms	RAD51C; RAD51 homolog C (S. cerevisiae); RAD51 (S. cerevisiae) homolog C; DNA repair protein RAD51 homolog 3; RAD51L2; R51H3; RAD51-like protein 2; yeast RAD51 homolog 3; RAD51 homolog C, isoform 1; FANCO; BROVCA3; MGC104277;
Gene ID	5889
mRNA Refseq	NM_002876
Protein Refseq	NP_002867
MIM	602774
UniProt ID	O43502

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