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Product datasheet for TP762205

RAD51C (NM_058216) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human RAD51 homolog C (S. cerevisiae) (RAD51C), transcript variant 1, Ala184-End, with N-terminal His tag, expressed in E.coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding the region(Ala184-End) of RAD51C
Tag:	N-His
Predicted MW:	22.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50 mM Tris-HCl, pH 8.0, 8 M urea
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_478123
Locus ID:	5889
UniProt ID:	O43502
RefSeq Size:	1337
Cytogenetics:	17q22
RefSeq ORF:	1128
Synonyms:	BROVCA3; FANCO; R51H3; RAD51L2

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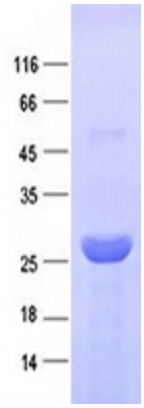
Summary: This gene is a member of the RAD51 family. RAD51 family members are highly similar to bacterial RecA and Saccharomyces cerevisiae Rad51 and are known to be involved in the homologous recombination and repair of DNA. This protein can interact with other RAD51 paralogs and is reported to be important 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. [provided by RefSeq, Jul 2013]

Protein Families: Druggable Genome

Protein Pathways: Homologous recombination

Product images:



Purified recombinant protein RAD51C was analyzed by SDS-PAGE gel and Coomossie Blue Staining.