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Product datasheet for RC217860L4V

RAD51C (NM_002876) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	RAD51C (NM_002876) Human Tagged ORF Clone Lentiviral Particle
Symbol:	RAD51C
Synonyms:	BROVCA3; FANCO; R51H3; RAD51L2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_002876
ORF Size:	405 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC217860).`
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_002876.2
RefSeq Size:	607 bp
RefSeq ORF:	408 bp
Locus ID:	5889
UniProt ID:	O43502
Cytogenetics:	17q22
Protein Families:	Druggable Genome
Protein Pathways:	Homologous recombination

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MW: 14.7 kDa

Gene 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]