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Product datasheet for RC220046L3V

RAD54 (RAD54L) (NM_003579) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	RAD54 (RAD54L) (NM_003579) Human Tagged ORF Clone Lentiviral Particle
Symbol:	RAD54
Synonyms:	hHR54; HR54; hRAD54; RAD54A
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_003579
ORF Size:	2241 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC220046).
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_003579.2
RefSeq Size:	3164 bp
RefSeq ORF:	2244 bp
Locus ID:	8438
UniProt ID:	Q92698
Cytogenetics:	1p34.1
Domains:	SNF2_N, DEAD, helicase_C
Protein Families:	Druggable Genome, Stem cell - Pluripotency

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Protein Pathways: Homologous recombination

MW: 84.4 kDa

Gene Summary: The protein encoded by this gene belongs to the DEAD-like helicase superfamily, and shares similarity with Saccharomyces cerevisiae Rad54, a protein known to be involved in the homologous recombination and repair of DNA. This protein has been shown to play a role in homologous recombination related repair of DNA double-strand breaks. The binding of this protein to double-strand DNA induces a DNA topological change, which is thought to facilitate homologous DNA paring, and stimulate DNA recombination. Alternative splicing results in multiple transcript variants encoding the same protein.[provided by RefSeq, Dec 2008]