

Recombinant Full Length Human RAD54L Protein, C-Flag-tagged

Cat. No. RAD54L-1549HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human RAD54L Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	The protein encoded by this gene belongs to the DEAD-like helicase superfamily, and shares similarity with <i>Saccharomyces cerevisiae</i> 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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	84.2 kDa
AA Sequence	MRRSLAPSQLAKRKPEGRSCDDEDWQPGLVTPRKRKSSSETQIQECFLSPFRKPLS QLTNQPPCLDSSQH EAFIRSILSKPFPKVPINYPQGPLGSRALGLKRAGVRRALHDPL EKDALVLYEPPPLSAHDQLKLDKEKLP VHVVDPILSKVLRPHQREGVKFLWECVTS RRIPGSHGCIMADEMGLGKTLQCITLMWTLRQSPCKPE IDKAVVVSPPSLVKNW

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YNEVGKWLGGRIQPLAIDGGSKDEIDQKLEGFMNQRGARVSSPILIISYETFRL HVG
 VLQKGSVGLVICDEGHRLKNSNQTYQALDSLNTSRRVLISGTPIQNDLLEYFSLVHF
 VN SGILGTA HEFKKH FELPILKGRDAAASEADRQLGEERLRELTSIVNRCLIRRTSDIL
 SKYLPVKIEQVVCRLTPLQ TELYKRFLRQAKPAEELLEGKMSVSSLSSITSLKKLCN
 HPALIYDKCVEEEDGFVGALDLFPPGYSSKAL EPQLSGKMLVLDYILAVTRSRSSDK
 VVLVSNYTQTLDLFEKLCRARRYLYVRLDGTMSIKKRAKVVERFN SPSSPDFVFMLS
 SKAGGCGLNLIGANRLVMFDPDWN PANDEQAMARVWRDGQKKT CYIYRLLSAGTIE
 EK IFQRQSHKKALSSCVVDEEQDVERHFSLGELKELFILDEASLSDTHDRLHCRRCV
 NSRQIRPPPDGSDCT
 SDLAGWNHCTDKWGLRDEVLQAAWDAASTAITFVFHQRSHEEQRGLRTRTRPLEQ
 KLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Stem cell - Pluripotency
Protein Pathways	Homologous recombination
Full Length	Full L.

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GENE INFORMATION

Gene Name RAD54L RAD54 like [Homo sapiens (human)]

Official Symbol RAD54L

Synonyms HR54; hHR54; RAD54A; hRAD54

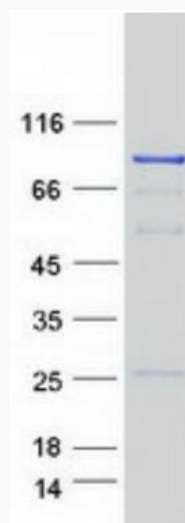
Gene ID 8438

mRNA Refseq NM_003579.4

Protein Refseq NP_003570.2

MIM 603615

UniProt ID Q92698



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Coomassie blue staining of purified RAD54L protein.

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