

Recombinant Human RAD54L Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. RAD54L-390H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RAD54L MS Standard C13 and N15-labeled recombinant protein (NP_001136020) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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. [provided by RefSeq, Dec 2008]
Molecular Mass	84.4 kDa
AA Sequence	MRRSLAPSQLAKRKPEGRSCDDEDWQPGLVTPRKRKSSSETQIQECFLSPFRKPLS QLTNQPPCLDSSQHEAFIRSILSKPFKVPINYPYQGGLGSRALGLKRAGVRRALHDPLE KDALVLYEPPPLSAHDQLKLDKEKLPVHVVDPIILSKVLRPHQREGVKFLWECVTSR RIPGSHGCIMADEMGLGKTLQCITLMWTLLRQSPECKPEIDKAVVSPSSLVKNWYN EVGKWLGGRIPQPLAIDGGSKDEIDQKLEGFMNQRGARVSSPILISYETFRLHVGVLQ

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KGSVGLVICDEGHRCLKNSENQTYQALDSLNTSRRVLISGTPIQNDLLEYFSLVHFNVS
 GILGTAHEFKKHFELPILKGRDAAASEADRQLGEERLRELTIVNRCLIRRTSDILSKY
 LPVKIEQVCCRLTPLQTELYKRFLRQAKPAEELLEGKMSVSSLSSITSLKKLCNHPA
 LIYDKCVEEEDGFVGALDLFPPGYSSKALEPQLSGKMLVLDYILAVTRSRSSDKVVLV
 SNYTQTLDLFEKLCRARRYLYVRDGTMSIKKRAKVVERFNSPSSPDFVFMSSKAG
 GCGLNLIGANRLVMFDPDWNPANDEQAMARVWRDGQKKTCYIYRLLSAGTIEEKIF
 QRQSHKKALSSCVVDEEQDVERHFSLGELKELFILDEASLSDTHDRLHCRRCVNSR
 QIRPPPDGSDCTSDLAGWNHCTDKWGLRDEVLQAAWDAASTAITFVFHQRSHEEQ
 RGLRTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name RAD54L RAD54-like (*S. cerevisiae*) [*Homo sapiens* (human)]

Official Symbol RAD54L

Synonyms RAD54L; RAD54-like (*S. cerevisiae*); RAD54 (*S. cerevisiae*) like; DNA repair and recombination protein RAD54-like; hHR54; hRAD54; RAD54A; RAD54 homolog; HR54;

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Gene ID	8438
mRNA Refseq	NM_001142548
Protein Refseq	NP_001136020
MIM	603615
UniProt ID	Q92698
SDS-PAGE	