

Product datasheet for **TP320046L**

RAD54 (RAD54L) (NM_003579) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human RAD54-like (<i>S. cerevisiae</i>) (RAD54L), transcript variant 1, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC220046 protein sequence Red =Cloning site Green =Tags(s)

MRRSLAPSQLAKRKPEGRSCDDEDWQPGLVTPRKRKSSSETQIQECFLSPFRKPLSQLTNQPPCLDSSQH
EAFIRSILSKPFKVPPIPNYQGPLGSRALGLKRAGVRRALHDPLEKDALVLYEPPPLSAHDQLKLDKEKLP
VHVVDPIILSKVLRPHQREGVKFLWECVTSRRIPGSHGCIMADEMGLGKTLQCITLMWTLRQSPECKPE
IDKAVVSPSSLVKNWYNEVGKWLGGRIQLAIDGGSKDEIDQKLEGFMNQGARVSSPILISYETFRL
HVGVLQKGSVGLVICDEGHRLKNSNQTYQALDSLNTSRRVLISGTPIQNDLLEYFSLVHFVNSGILGTA
HEFKKHFELPILKGRDAAASEADRQLGEERLRELTIVNRCLIRRTSDILSKYLPVKIEQVCCRLTPLQ
TELYKRFLRQAKPAEELLEKMSVSSLSSITSLKKLCNHPALIYDKCVEEEDGFVGDALDFPPGYSSKAL
EPQLSGKMLVLDYILAVTRSRSDDKVVLSNYTQTLDFEKLCRARRYLYVRDGTMSIKKRAKVVERFN
SPSSPDFVFMSSKAGGCGLNLIGANRLVMFDPDWNPANDEQAMARVWRDGGQKKTCTYIYRLLSAGTIEEK
IFQRQSHKKALSSCVDEEQDVERHFSLGELKELFILDEASLSDTHDRLHCRRCVNSRQIRPPPDGSDCT
SDLAGWNHCTDKWGLRDEVLQAAWDAASTAITFVFHQRSHEEQRGLR

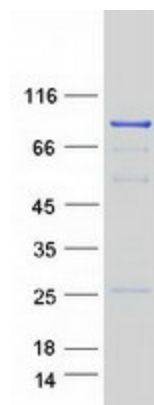
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	84.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.



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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_003570
Locus ID:	8438
UniProt ID:	Q92698
RefSeq Size:	3164
Cytogenetics:	1p34.1
RefSeq ORF:	2241
Synonyms:	hHR54; HR54; hRAD54; RAD54A
Summary:	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]
Protein Families:	Druggable Genome, Stem cell - Pluripotency
Protein Pathways:	Homologous recombination

Product images:

Coomassie blue staining of purified RAD54L protein (Cat# [TP320046]). The protein was produced from HEK293T cells transfected with RAD54L cDNA clone (Cat# [RC220046]) using MegaTran 2.0 (Cat# [TT210002]).