

## Product datasheet for TP320046

### 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, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC220046 protein sequence Red=Cloning site Green=Tags(s)
	<p>MRRSLAPSQLAKRKPEGRSCDDEDWQPGLVTPRKRKSSSETQIQECFLSPFRKPLSQLTNQPPCLDSSQH EAFIRSILSKPFKVPPIPNYQGPLGSRALGLKRAGVRRALHDPLEKDALVLYEPPPLSAHDQLKLDKEKLP VHVVDPIILSKVLRPHQREGVKFLWECVTSRRIPGSHGCIMADEMGLGKTLQCITLMWTLRQSPECKPE IDKAVVSPSSLVKNWYNEVGKWLGGRIQLAIDGGSKDEIDQKLEGFMNQGARVSSPILISYETFRL HVGVLQKGSVGLVICDEGHRLKNSNQTYQALDSLNTSRRVLISGTPIQNDLLEYFSLVHFVNSGILGTA HEFKKHFELPILKGRDAAASEADRQLGEERLRELTIVNRCLIRRTSDILSKYLPVKIEQVCCRLTPLQ TELYKRFLRQAKPAEELLEGKMSVSSLSSITSLKKLCNHPALIYDKCVEEEDGFVGDLDLFPFGYSSKAL EPQLSGKMLVLDYILAVTRSRSDDKVVLSNYTQTLDFEKLCRARRYLYVRDGTMSIKKRAKVVERFN SPSSPDFVFMSSKAGGCGLNLIGANRLVMFDPDWNPANDEQAMARVWRDGGQKKTCTYIYRLLSAGTIEEK IFQRQSHKKALSSCVDEEQDVERHFSLGELKELFILDEASLSDTHDRLHCRRCVNSRQIRPPPDSGSDCT SDLAGWNHCTDKWGLRDEVLQAAWDAASTAITFVFHQRSHEEQRGLR</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
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

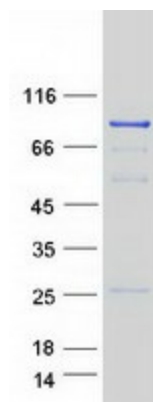
**Synonyms:** hHR54; HR54; hRAD54; RAD54A

**Summary:** The protein encoded by this gene belongs to the DEAD-like helicase superfamily, and shares similarity with *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]

**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]).