

## Product datasheet for TP327119M

### RAD54 (RAD54L) (NM\_001142548) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human RAD54-like ( <i>S. cerevisiae</i> ) (RAD54L), transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC227119 protein sequence Red=Cloning site Green=Tags(s)

MRRSLAPSQLAKRKPEGRSCDDEDWQPLVTPRKRKSSSETQIQECFLSPFRKPLSQLTNQPPCLDSSQH  
EAFIRSILSKPFKVIPNYQGGLGSRALGLKRAGVRRALHDPLEKDALVLYEPPPLSAHDQLKLDKEKLP  
VHVVDPILSKVL RPHQREGVKFLWECVTSRRIPGSHG CIMADEMGLGKTLQCITLMWTL LRQSPECKPE  
IDKAVVWSPSSLVKNWYNEVGKWLGGRIQPLAIDGGSKDEIDQKLEGFMNQRGARVSSPILIISETFRL  
HVGVLQKGSVGLVICDEGHRLKNSNQTYQALDSLNTSRRVLISGTPIQNDLLEYFSLVHFVNSGILGTA  
HEFKKHFEPLKGRDAAASEADRQLGEERLRELT SIVNRCLIRRTSDILSKYLPVKIEQVCCRLTPLQ  
TELYKRFLRQAKPAEELLE GKMSVSSLSSITSLK KLCNHPALIYDKC VEEEDGFV GALDLFP PGYSSKAL  
EPQLSGKMLVLDYILAVTRSRSDDKVVLSNYTQTLDLFEKLCRARRYLYVRDGTMSIKKRAKVVERFN  
SPSSPDFVFM LSSKAGGCGLN LIGANRLVMFDPDWN PANDEQAMARVWRD GQKKTCYIYRLLSAGTIEEK  
IFQRQSHKKALSSCVDEEQDVERHFSLGELKELFILDEASLSDTHDRLHCRRCVNSRQIRPPPDGSDCT  
SDLAGWNHCTDKWGLRDEVLQAAWDAASTAITFVFHQRSHEEQRGLR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

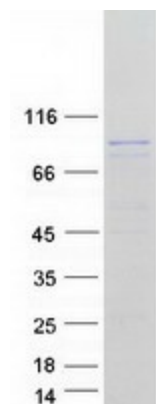
Tag:	C-Myc/DDK
Predicted MW:	84.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity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



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<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_001136020</a>
<b>Locus ID:</b>	8438
<b>UniProt ID:</b>	<a href="#">Q92698</a> , <a href="#">A8K996</a>
<b>RefSeq Size:</b>	2567
<b>Cytogenetics:</b>	1p34.1
<b>RefSeq ORF:</b>	2241
<b>Synonyms:</b>	hHR54; HR54; hRAD54; RAD54A
<b>Summary:</b>	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 pairing, and stimulate DNA recombination. Alternative splicing results in multiple transcript variants encoding the same protein.[provided by RefSeq, Dec 2008]
<b>Protein Families:</b>	Druggable Genome, Stem cell - Pluripotency
<b>Protein Pathways:</b>	Homologous recombination

### Product images:



Coomassie blue staining of purified RAD54L protein (Cat# [TP327119]). The protein was produced from HEK293T cells transfected with RAD54L cDNA clone (Cat# [RC227119]) using MegaTran 2.0 (Cat# [TT210002]).