

Product datasheet for **RC234779**

RAD54B (NM_001205263) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAD54B (NM_001205263) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RAD54B
Synonyms:	RDH54
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC234779 representing NM_001205263
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATTTGTGAAAAAGAAATAGAAGTCATGGGTGTAATCTCTCCAGATGACTTCAGCAGTGGCAGGTGTT
 TTCAGCTTGGAGGAGGAAGTACTGCTATCTCGCATTCTTCTCAGTTGCCAGGAAATGTTTCTTAACCC
 TTTCAAAAGTGTTTGTAACCAAGTTCAAAGGAAAATAGACAGAATGATTTCCAAAATTGCAAACACGC
 CATGACCCATATACGCCAAATCCCTCGTTATGCCACGACCAGATAAGAATCACCAGTGGGTATTCAATA
 AGAACTGTTTCCCTCTTGTGGATGTAGTGATTGATCCTTACCTTGATATCATCTTCGACCACATCAGAA
 AGAAGGAATCATATTCCTTTATGAATGTGAATGGGAATGAGAATGAATGGCAGATGTGGAGCTATTCTT
 GCTGATGAAATGGGTTTAGGGAAGACATTGCAATGTATTCGCTCATCTGGACCCTGCAGTGTCCAGGAC
 CCTATGGAGGCAAGCCAGTAATAAAGAAGACACTAATTGTCACACCTGGAAGCTTGGTGAATAATTGGAA
 GAAAGAATTTCAAAAATGGCTAGGAAGTAAAGGATCAAGATATTTACTGTTGATCAGGACCACAAAAGTT
 GAAGAATTCATCAAGTCTATATTTTATTCTGTTCTTATTATCAGTTATGAAATGTTACTTCGTTCCCTGG
 ATCAAATTAAGAATATAAAAATTTGATCTTCTAATCTGTGACGAGGGGCATCGTTTGAAGAACAGTGCCAT
 TAAGACAACACTACAGCCCTCATTAGCCTTCTTGTGAGAAAAGAATAATTCTAAGTGGTACTCCAATTGAG
 AATGATCTGCAAGAAATTTTGCATTAATTGATTTGTAATCCAGGAATATTAGGCTCTTTGTCATCTT
 ATAGGAAAATATATGAAGAACCCATCATTTTATCGAGAGAACCTTCTGCTTCTGAGGAAGAAAAGGAGTT
 AGGAGAAAAGAAGCAGCTGAACCTACTGCCTCACTGGACTCTTATCCTTAGAAGAACCCAAGAAATT
 ATAAATAAATATCTCCACCTAAAATAGAGAATGTTGTCTTTGCCGACCAGGAGCACTACAGATTGAGC
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 TCTAATATGTATAGGAGCTCTTAAAAAACTGTGCAATCACCCCTGCCTTTTGTTCAACTCTATAAAGGAA
 AAGGAATGTAGCTCAACTTGTGATAAAAATGAAGAAAAGAGTCTATACAAAGGCTTGCTAAGTGTGTTTC
 CTGCTGACTACAACCCTCTCCTGTTTACTGAAAAGGAGTCAGGAAAACACTACAGGTGTTGCAAGCTCTT
 AGCGGTTATCCACGAACCTCGACCTACTGAAAAGGTGGTGTGGTATCCAACCTATACACAAACCTGAAC
 ATTTTACAAGAAGTATGTAAGCGTCATGGATATGCTTATACAAGACTTGATGGACAAACACCAATCTCTC
 AAAGGCAGCAGATTGTTGATGGCTTAAACAGTCAACACTCTTCTTTTTTATTTTTTTGTTAAGTTCAAA
 AGCTGGTGGTGTAGGACTTAACCTCATTGGAGGATCTCACTTAATTCTCTATGACATTGATTGGAATCCA
 GCCACTGACATTCAGGCAATGTCTAGAGTATGGAGAGATGGTCAGAAATATCCTGTACATATTTACAGAC
 TCCTAACTACAGGTACAATAGAAGAAAAGATCTATCAAAGGCAGATCAGTAAGCAAGGTCTTTGTGGGGC
 AGTTGTGACCTACCAAGACATCTGAACATATTCAGTTTTTCAGTAGAAGAACTTAAAAATTTGTTCA
 TTACATGAAAGTTCAGATTGTGTTACTCATGATCTGCTTGACTGTGAGGTACAGGAGAAGAAGTTCATA
 CAGGTGATTGTTGGAAAATTCATTGTCTCTAGAGATTGTCAGCTTGGTCCACATCACCAGAAATCTAA
 CTCCCTGAAACCTCTTTCTATGTCCAGCTGAAGCAATGGAAACATTTTTCTGGAGATCATTTAAATCTT
 ACAGATCCTTTTCTTGAAGAATAACAGAAAATGTGTCATTCTTTTTTTCAGAATAAACCCTCAAGCTA
 CTGGCACA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001205263.2](#)

RefSeq Size: 3097 bp

RefSeq ORF: 2181 bp

Locus ID: 25788

UniProt ID: [Q9Y620](#)

Cytogenetics: 8q22.1

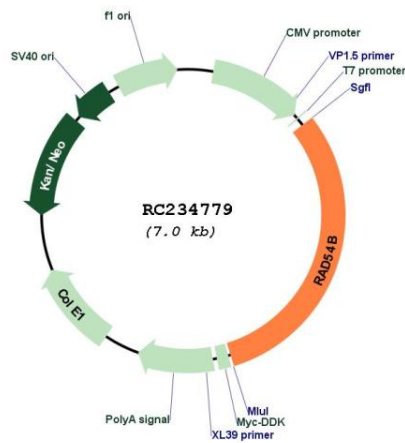
Protein Families: Druggable Genome

Protein Pathways: Homologous recombination

MW: 82.8 kDa

Gene Summary: The protein encoded by this gene belongs to the DEAD-like helicase superfamily. It shares similarity with *Saccharomyces cerevisiae* RAD54 and RDH54, both of which are involved in homologous recombination and repair of DNA. This protein binds to double-stranded DNA, and displays ATPase activity in the presence of DNA. This gene is highly expressed in testis and spleen, which suggests active roles in meiotic and mitotic recombination. Homozygous mutations of this gene were observed in primary lymphoma and colon cancer. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC234779