

## Product datasheet for **RC208218**

### **RAD9 homolog B (RAD9B) (NM\_152442) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RAD9 homolog B (RAD9B) (NM_152442) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RAD9 homolog B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC208218 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATTCAACCAAGATTGCTTGCTGATGCCATTGTTCTTTTTACATCAAGTCAAGAGGAAGTTACTCTTG  
CTGTTACTCCACTGAATTTTTGCCTCAAGAGTTCTAATGAGGAATCAATGGATTTGAGCAATGCTGTACA  
CAGTGAGATGTTTGGCTCAGATGAGTTTGACTTCTTCAAATTGGAATGGACTGAGATAACATTT  
TGTTTTCAAAGAATTGAAGGGAATACTGACATTTTCAGAAGCTACACATGCTCCTATATCCATTTATTTTG  
ATTTCCCTGGAAACCTCTGGCTTTGAGTATTGATGATGTTAGTGAAGCTAACTTTATTTTGGCCAC  
ATTAGCTGATGAACAAAGTAGAGCATCTTACCACAGTCACTGTGTCTTTCACAGAAACGAAAAAGGTCA  
GATCTGATTGAAAAAAGGCTGGCAAAAATGAACTGGCCAGGCCCTGGAATGTATTTCAAAAAAGCAG  
CACCAAGAAGGCTTTATCCTAAGGAGACTCTCACAAACATATCTGCATTGGAAAAGTGGCAGCCCTGC  
AATGAAAAGAGTGGATGGAGATGTCAGTGAAGTATCAGAAAGCAGTGTGCAACACAGAGGAAGTGCCA  
GGGTCTCTGTCTCAGAAAGTTTTCTTGCATGTTCTTTGGAGCAGTTTCTTCTGACCAGCAAGAACACT  
TCAACCACCTTCGACAGTCTGGCAAGAGCAAGTACAGTGAAGAGGACATGAATAATGGCAGTTTCTC  
TATATTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC208218 protein sequence  
Red=Cloning site Green=Tags(s)

MIQPRLLADAIVLFTSSQEEVTLAVTPLNFKLKSSNEESMDLSNAVHSEMFVGSDEFDFQIGMDTEITF  
 CFKELKGIILTFSEATHAPISIIYDFPGKPLALSIDDMLVEANFILATLADEQSRASSPQSLCLSQKRKRS  
 DLIEKKAGKNVTGQALECISKKAAPRRLYPKETLTNISALENCGSPAMKRVDGDVSEVSESSVSNTTEVP  
 GSLCLRKFSCMFFGAVSSDQEHFNHPFDLARASDSEEDMNNGSFSIF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6546\\_c08.zip](https://cdn.origene.com/chromatograms/mk6546_c08.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_152442

**ORF Size:** 777 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_152442.2](#)

**RefSeq Size:** 1898 bp

**RefSeq ORF:** 1290 bp

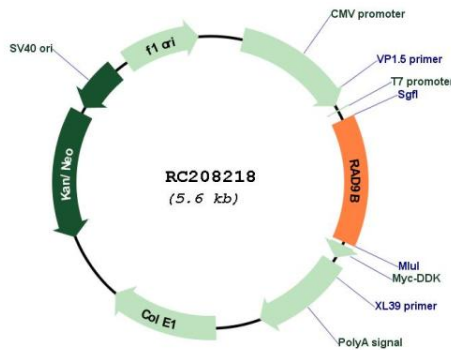
**Locus ID:** 144715

**UniProt ID:** [Q6WBX8](#)

**Cytogenetics:** 12q24.11

**MW:** 28.5 kDa

**Product images:**



Circular map for RC208218