

Product datasheet for **RC236994**

RAD9 homolog B (RAD9B) (NM_001286533) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAD9 homolog B (RAD9B) (NM_001286533) 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:	>RC236994 representing NM_001286533 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATTCAACCAAGATTGCTTGCTGATGCCATTGTTCTTTTACATCAAGTCAAGAGGAAGTTACTCTTG
CTGTACTCCACTGAATTTTGCCTCAAGAGTTCTAATGAGGAATCAATGGATTTGAGCAATGCTGTACA
CAGTGAGATGTTTGGTGGCTCAGATGAGTTGACTTCTTCAAATTGGAATGGACACTGAGATAACATTT
TGTTTCAAAGAATTGAAGGGAATACTGACATTTTCAAGCTACACATGCTCCTATATCCATTTATTTTG
ATTTCCCTGGGAAACCTCTGGCTTTGAGTATTGATGATGTTAGTGAAGCTAACTTTATTTTGCCAC
ATTAGCTGATGAACAAAGTAGAGCATCTTACCACAGTCACTGTGTCTTTCACAGAAACGAAAAAGGTCA
GATCTGATTGAAAAAAGGCTGGCAAAATGTAAGTGGCCAGGCCCTGGAATGTATTTCAAAAAAGCAG
CACCAAGAAGGCTTTATCCTAAGGAGACTCTCACAACATATCTGCATTGGAAAAGTGTGGCAGCCCTGC
AATGAAAAGAGTGGATGGAGATGTCAGTGAAGTATCAGAAAGCAGTGTGAGCAACACAGAGGAAGTGCCA
GGGTCTCTGTGTCTCAGAAAGTTTCTTGATGTTCTTTGGAGCAGTTTCTTGACCAGCAAGAACACT
TCAACCACCTTTGACAGTCTGGCAAGAGCAAGTACAGTGAAGAGGACATGAATAATGGCAGTTTCTC
TATATTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



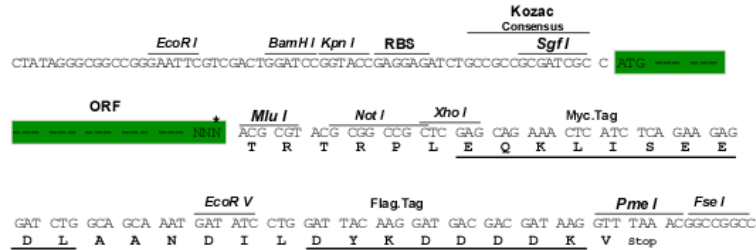
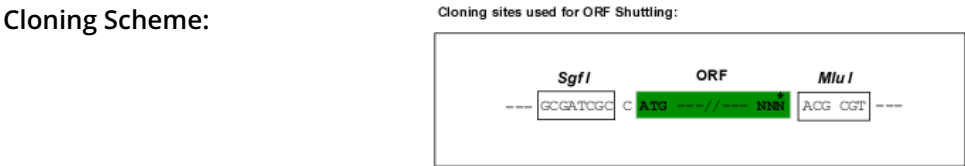
[View online »](#)

Protein Sequence: >RC236994 representing NM_001286533
 Red=Cloning site Green=Tags(s)

MIQPRLLADAIVLFTSSQEEVTLAVTPLNFKLKSSNEESMDLSNAVHSEMFVGSDEFDFQIGMDTEITF
 CFKELKGILTFSEATHAPISIIYDFPGKPLALSIDDMLVEANFILATLADEQSRASSPQSLCLSQKRKRS
 DLIEKKAGKNVTGQALECISKKAAPRRLYPKETLTNISALENCGSPAMKRVDGDVSEVSESSVSNTTEVP
 GSLCLRKFSCMFFGAVSSDQGEHFNHPFDSLARASDSEEDMNGSF SIF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



* The last codon before the Stop codon of the ORF

ACCN: NM_001286533

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_001286533.2](#)

RefSeq Size: 2987 bp

RefSeq ORF: 780 bp

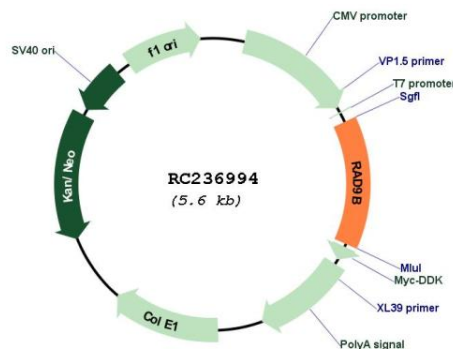
Locus ID: 144715

UniProt ID: [Q6WBX8](#)

Cytogenetics: 12q24.11

MW: 29 kDa

Product images:



Circular map for RC236994