

Product datasheet for **RR208710**

Rad51c (NM_001129777) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rad51c (NM_001129777) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rad51c
Synonyms: RGD1563765
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR208710 representing NM_001129777
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**C

ATGCAGAGGGAATTGGTGGGTTTTCCGCTGTCTCCGCGGTGCGCGTGAAGCTGGTGGCTGCGGGTTTTTC
AGACTGCCGAGGACGTCCTGGAGGTGAAGCCCTCCGAGCTTAGCAAAGAAGTTGGGATATCCAAAGAGGA
AGCCTTGGAACTCTCCAAATTCTAAGAAGAGAATGTCTCACAATAAACCAAGATGTGCTGGTACATCT
GTGGCAAACAAGAAGTGCACAGCACTGGAACCTTAGAGCAAGAGCACACCCAGGGCTTCATAATCACCT
TCTGTTACGACTAGATAACATCTTGGGGGTGGAATACCCCTAATGAAAACGACAGAAGTTTGTGGTGT
ACCAGGTGTTGGAAAAACACAGTTATGTATGCAATTAGCAGTAGATGTGCAAATCCAGAATGTTTTGGA
GGAGTGGCCGGTGAAGCAGTATTTATTGATACGGAGGGAAGTTTTATGGTTGATAGGGTGGTAAGCCTTG
CCTGCTGCATTACAGCACCTTCATCTCATAGCAGGAACACACCGGAAGAAGAACAGCAGAAAGCCTT
GAAGGATTTTACTCTTGAAAATATTCTGTCCCATTTTATTATTTTCGTTGTCACGATTACACTGAGCTG
CTGGCACAAGTCTATCTCCTCCAGATTTCCCTTCAGATCATTCAAAGGTGCAGTTAGTGATAATAGATG
GAATTGCTTTTCCCTTTTCGTGATGACCTGATGATCTTTCCCTTCTGACTCGATTACTAAATGGCCTTGC
CCAACAATTGATCAGCCTCGCAAATAAGCACAGACTAGCTGTTATTTAACGAATCAGATGACAACAAAG
ATTGATAAAAATCAAGCTTCGCTTGTTCCTGCGTTAGGGGAAAGCTGGGACATGCTGCTACAATAAGGC
TAATTTTTCACTGGGAACAAAACAAAGATTTGCAACATTGTACAAATCACCAAGCCAGAAGGAGTCCAC
AGTACCATTTAGATCACACCTCAGGGATTTAGAGATGCTGTTGTCACTGCTGCCTCATCACAGACAGAA
AGTTCTTTGAACCTCCGAAACGGTCACGAGAACCAGAGGAAGAATGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online >](#)

Protein Sequence: >RR208710 representing NM_001129777
 Red=Cloning site Green=Tags(s)

MQREL VGFPLSPAVRVKLV AAGFQTAEDVLEVKPSELSKEVGISKEEALETQLRRECLTNKPRCAGTS
 VANKKCTALELLEQEHTQGF IITFCALDNILGGGIPLMKTTEVCVPGVGTQLCMQLAVDVQIPECFG
 GVAGEAVFIDTEGSFMVDRVVS LATAACIQHLHLIAGTHTEEEQQKALKDF TLENILSHIYYFRCHDYTEL
 LAQVYLLPDFLSDHVKVQLVIIDGIAFPFRHDLDDLFLRTRLLNGLAQQLLISLANKHRLAVILTNQM TTK
 IDKNQASLV PALGESWGHAAATIRLIFHWEQKQRFATLYKSPSQKESTVPFQITPQGF RDVAVVTAASSQTE
 SSLNFRKRSREPEEEEC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

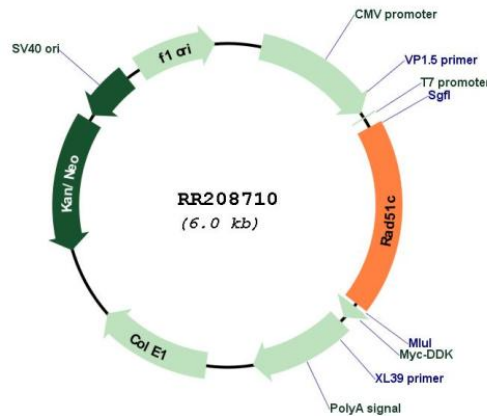
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001129777

ORF Size:	1098 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:	<ol style="list-style-type: none">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_001129777.1 , NP_001123249.1
RefSeq Size:	1927 bp
RefSeq ORF:	1101 bp
Locus ID:	497976
Cytogenetics:	10q26
MW:	40.7 kDa