

Product datasheet for **RR211097**

Dclre1c (NM_147145) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dclre1c (NM_147145) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dclre1c
Synonyms:	Snm1l
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RR211097 representing NM_147145
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGAGTTCCTTTCCAGGGACAGATGGAGGAATATCCAACCATCTCCATTGACCGCTTCGACAGAGAGAACC
 TGAAGCCCGTGCTACTTCTTTTCGCACTGCCACAAGGATCACATGAAAGGATTAAGGGCTCCTCCAT
 GAAAAGAAGGCTGGAATGCAATTTGAAGGTCTTCTGTACTGTTCTCCAGTCACTAAGGAGCTGCTCTTA
 ACCAGCCCAAAGTACAAGTTCTGGGAAAACCGAATTATAGCAATTGAAATTGAAACTCCTACCCAGGTAT
 CTTTAGTTGATGAGGCATCGGGTGAAGAAGAAAGTTGTTGTACTCTTACCAGCTGGTCACTGCC
 AGGTTCAAGTTATGTTTCTATTTCAAGGCAGTAATGGAAGTGTCTTATACACAGGAGACTTCAGACTGGCC
 AAAGGAGAAGTTCCAGAATGGAGCTTCTGCCTCTGGGGCAGAGTAAAAGACATCCAAAGTGTATATT
 TAGACACCACTTTCTGTGACCAAGGTTTTATCAAATTCAGTCTGAGGAGTCTTGAGGGCGTTCT
 GGAGCTGGTTCGAGCTGGATCACGAGGAGTCCGAAGCACGTCTGTGGCTGAAGTGAAGGCCGCTAC
 GGTATAGTACTTATTCACCACTGAGTGGAGGAGTGGGAGTCCAGGTTTCATGTGGACAAGCTGGACA
 TGTTTTAAAAACATGCCTGATATCCTGCACCATCTCACAACGGATCGAAACACCCAGATCCACGCCTGCCG
 CCACCCGAAGGCAGAAGAGTATTTTCAGTGAATAAGTTACCCTGTGGCATGGCTTCCAAAACTAAAACT
 GTACTCCACACAATCAGCATCAAGCCATCTACCATGTGGTTTGGAGAGAGGACCAGAAAAACAAAGTGA
 TTGTGAGAACCGGAGAGAGCTCATAAGAGCTTGTCTTCTTTCCACTCCTCCTACAGTGAAGTAAAGA
 TTTTTTGAGCTACATCTGCCAGTGAATGCGTATCCAAATGTCTTCCGATCGGCCTCACTGTGGATAAG
 GTCATGGACTTTTTAAAGCCTCTGTGCCGCTCTCCCAATGTCTGAACCAAAGTACAAGCCCTCGGGA
 AACTGAAGAGAGCTAGAACAGTTCACCTTGACTCAGAGGAAGATGATGATCTCTTTGATGACCCCTACT
 AACACATTCAAGGCGCAAAGTTCCGTACCAAGTAACTTTCACCCTGAGGTATTTTCAATGAAGGCACTA
 CCGCTAGATCAGCCTGAACTGGGACAAAGCCCGGATGCTGTAAGCAGAGAGTATGCCGAGTCTTCTT
 TGGCCAACCTTTGTGGACTGTGACGAGTCCAACAGTGAAGGAGAGTTAGAGACCCCGCTTCTCT
 GCAGGGAGGTCTCGGCCCAACAACACTCCACAGCAAAACGCTGATCCGGATGTGGATGTACCTCGGTGG
 GAAGTATCTTCAAAGAAAAGATGAAATCACAGATGAATGTTTGGAAAACCTACCTTCTCCATAGAGA
 CAGGGGATCGCAGTACCAAAGCGTTTCAGTACTCACCAGGCTGGGAGTACTCTGATGGAGAATC
 CACCCATATCTTCCCAGAATTCATCTCAGTCAACCCACATAACGGATCAAGGAAGCAAGGCTGGGAC
 AGCCAGTGTGATACCGTTTTGTTATCTTCCAAGAGAAAAGTGGTGGGATAGCACCTCTTTGAACAAGG
 ATACCTACAAACCAAAACCAAGATAGTATTTCTGCCTCCCAAATAGAACAGAATGCACCTTTGTCCACA
 GGATACTCACTGTGATTTGAAAAGCGGAGCTGAAGTAAATGGAGTCCCTTGATTGAAGAACCAGACT
 GTGAGTGGCAGGAAATCTTACCTGAGAAAACATCGCTAACCCAGCACACAGGAGACTCACAGAGCTCT
 CTGACTTTGAAATCCCCTCAACTCCAGAAGCTGAGCTTCCCAAGCCAGAGCATTTACAGTTCTTATATGG
 AAAGCTGGCAACAGGTGAGAGTATAGTGTGAAAAAGAAAATGTTCACTCCAGATATTTAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR211097 representing NM_147145
Red=Cloning site Green=Tags(s)

MSSFQGMEEYPTISIDRFDRENLKARAYFLSHCHKDHMKGLRAPSMKRRLECSLKVFLYCSPVTKELL
 TSPKYKFWENRIIAIEIETPTQVSLVDEASGEKEEVVTLTPAGHCPGSMVFLFQGSNGTVLYTGDFRLA
 KGEVSRMELLHSGGRVKDIQSVYLDTTFCDFRYQIPSRREECLRGVLELVRSWITRSPKHVVWLNCKAAY
 GYEYLFNLSEELGVQVHVDKLDMFKNMPDILHHLTTDRNTQIHACRHPKAEYFQWNKPCGMASKTKT
 VLHTISIKPSTMWFGERTRTNIVRTGESSYRACFSFHSSYSEIKDFLSYICPVNAYPNVPIGLTVDK
 VMDFLKPLCRSSQCAEPKYKPLGKLRARTVHLDSEEDDDLFDPLLTHSRRKVPYQVTLHPEVFSMKAL
 PLDQPELQSPGCKAESMPSPSLANFVDCDESNSDSEGELETPPSLQGGLPPTLTPQQNADPDVDVPRW
 EVFFKRKDEITDECLNLPSIETGGSQSPKRFSDSPKLGSDSDGESTHISSQNSSQSTHITDQGSQGW
 SQCDTVLLSSQEKSGDSTSLNKDITYKPKKDISASQIEQNALCPQDTHCDLKSGAEVNGVPCIEEPTD
 VSRKSSPEKTSLTSTQADSQSSDFEIPSTPEAELPKPEHLQFLYGKLATGESIVLKKENVHSQIFK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_147145

ORF Size: 2094 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.

RefSeq: [NM_147145.2](#), [NP_671486.2](#)

RefSeq Size: 2162 bp

RefSeq ORF: 2097 bp

Locus ID: 259171

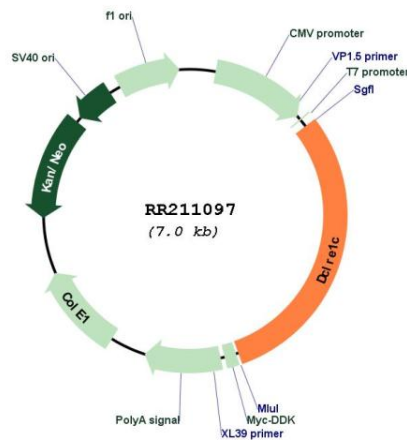
UniProt ID: [Q5XIX3](#)

Cytogenetics: 17q12.3

MW: 78.2 kDa

Gene Summary: mouse homolog plays a role in non-homologous end joining DNA repair during VDJ recombination [RGD, Feb 2006]

Product images:



Circular map for RR211097