

Product datasheet for **RR200998**

Klrc1 (NM_001037441) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Klrc1 (NM_001037441) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Klrc1
Synonyms: rNKG2A
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR200998 representing NM_001037441
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGTAATGATCGAGTCACCTATGCAGAACTGAATGTGGCCAAGAAGTCAAGGTACCAGCACAAACAAC
 CAAGGGGCAGTCGCAGCTCCATTTTCAGTAATAGAGCAGGAAATCGTTTATGCGGATTTTCAGCTTTAAAAA
 TCCTTCTCAAGAGCAGACCCGGATCTGCAGGGATTGCCACTGCAAAGTTTTCCATCTCCTCCAGAAAAA
 CTATTGCTGGGACCCTGGGCTTCATCAGTTTTGTCTTAATTGTTGCTGTGGTTGTAATTAACAGTTG
 CCACACCATATACTGAAACAAAGGCACAGATCAACTCCTCAATGACGAGAACCTACCAAGCACGACCTTG
 TACTCGTTGTCCAGATGATTGGATATCATATCCACAAGTGTATTACATTAGTGTGGAGAGAAAAATCT
 TGGAAATGATGGTTTGACGTCCTGTCATTTCCAAAAATTGCAGTCTGCTTCACATAGATAGTGAAGAGGAGC
 AGGCTTTTCTGCAGTCTTTTCACTGGTCTCATGGACTGGATTCTTTTCAAAGAGCAGAAGTCAGCCCTG
 GGTTTGGGAAAAATGGCTCAACTTTCAAACCAAGATAACAGAGATGCTGCATGATGAATATAACTGTATC
 ATGATGTCAACTTCTGGTCTCACGGCAGAAAAGTACCATTTTACATCCATATGTTTGAAGTCAAAAT
 TAACCAAC

ACGCGTACGCGGCCGCTCGAGCAGAAAAGTCACTCAGAAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR200998 representing NM_001037441
Red=Cloning site Green=Tags(s)

MSNDRVTYAELNVAKNSRYQHMKPRGSRSSISVIEQEIYADFSFKNPSQEQTRICRDCHCKGFPSPEK
 LIAGTLGFISFVLIVAVVVITTVATPYTETKAQINSSMTRTYQARPCTRCPPDDWISYSHNCYYISVERKS
 WNDGLTSCISKNCSSLHIDSEEEQAFLOQSFSLVSWTGGFRKRSRQPPWWENGSTFKPKITEMLHDEYNCCI
 MMSTSGLTAENCTILHPYVCKCKLNTN

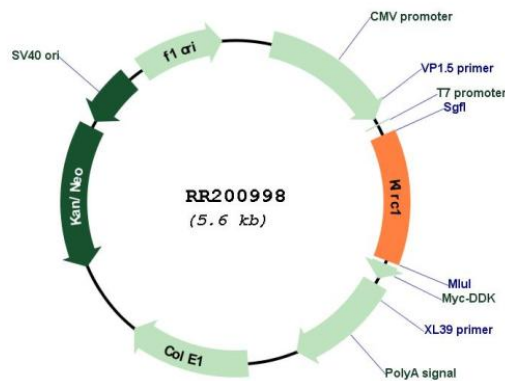
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001037441
ORF Size: 708 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_001037441.2 , NP_001032518.1
RefSeq Size:	1221 bp
RefSeq ORF:	711 bp
Locus ID:	29683
Cytogenetics:	4q42
MW:	26.9 kDa
Gene Summary:	a C-type lectin receptor for MHC class I molecules [RGD, Feb 2006]