

Product datasheet for **MR221239**

Klrc1 (NM_010652) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Klrc1 (NM_010652) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Klrc1
Synonyms: CD159a; NKG2A; NKG2B
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR221239 representing NM_010652
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTAATGAACGCGTCACCTATGCAGAACTGAAGGTGGCAAAGAACTCAAGGAACCAGCACAGGAAAC
CAAGGGGTCTCGCAGCTCCATTTTCAGTCATCGAGCAGGAAATCATCTATTCGGACTTCAGCTTTCAAAA
TCCTTCTCAGGAGCATCCCTGGATCTGCAGGAATTGCCCTGCAAAGGTTTTCCATCTCCTCCAGAGAAA
CTCATTGCTGGTACCCTGGCCATCTGTTTTGTCTTAATTGTCGCTGTGGTTGTAATTACTACAGTTG
CCACACCATATATAAACTACACTCTATCTTCAGCACAGCCTTGCCTCATTGTCCAAAGGAGTGGATATC
ATATTCTACAATTGTTATTTTCATTGGTATGGAGAGAAAATCTTGAATGACAGTTTGGTGTCTGCATT
TCCAAAACTGTAGTCTGCTTTACATAGATAGTGAAGAGGAGCAGGATTTTCTGCAATCTCTTTCACTGA
TCTCATGGACTGGAATCCTTCGGAAGGGCAGAGGTGAGCCCTGGGTCTGGAAAGAAGACTCAATTTTCAA
ACCAAAGATAGCAGAGATTCTCCATGATGAATGTAAGTGTCCATGATGTCAGCTTCTGGTCTCACAGCA
GACAACTGTACAACCTTACATCCATATCTTTGTAAGTGTAAATCCCCATC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR221239 representing NM_010652
Red=Cloning site Green=Tags(s)

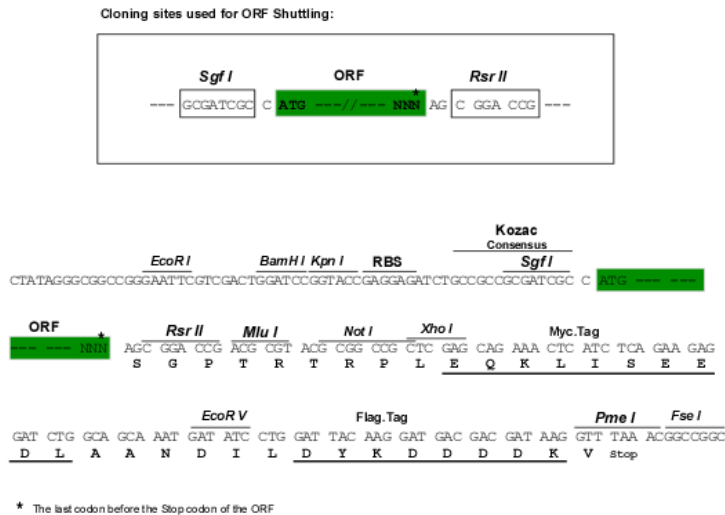
MSNERVYAE LK VAKNSRNQHRKPRGPRSSISVIEQEIIYSDFSFQNPSEQHPWICRNCPCCKGFSPPEK
 LIAGTLGLICFVLIVAVVVITTVATPYINYTLSSAQPCPHCKEWEISYSHNCYFIGMERKSWNDLSVSCI
 SKNCSLLYIDSEEEQDFLQSLSLISWTGILRKGRGQPWWKEDSIFKPKIAEILHDECNCAMMSASGLTA
 DNCTTLHPYLCKCKFPI

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9029_f06.zip

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_010652

ORF Size: 681 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_010652.2](#), [NP_034782.1](#)

RefSeq Size: 684 bp

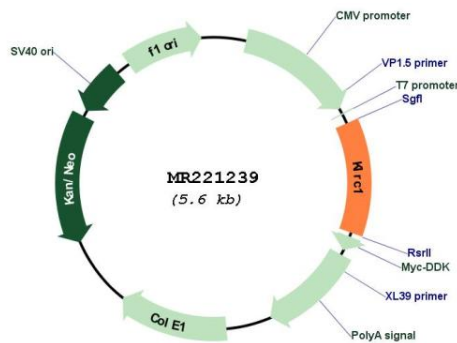
RefSeq ORF: 684 bp

Locus ID: 16641

Cytogenetics: 6 F3

MW: 26.2 kDa

Product images:



Circular map for MR221239