

Product datasheet for **MR221547**

Klrc1 (NM_001136068) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Klrc1 (NM_001136068) 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: >MR221547 representing NM_001136068
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTAATGAACGCGTCACCTATGCAGAACTGAAGGTGGCAAAGAAGTCAAGGAACCAGCACAGGAAAC
CAAGGGGTCTCGCAGCTCCATTTTCAGTCATCGAGCAGGAAATCATCTATTCGGACTTCAGCTTTCAAAA
TCCTTCTCAGGAGCATCCCTGGATCTGCAGGAATTGCCCTGCAAAGGTTTTCCATCTCCTCCAGAGAAA
CTCATTGCTGGTACCCTGGCCATCTGTTTTGTCTTAATTGTCGCTGTGGTTGTAATTACTACAGTTG
CCACACCATATACCGAAGCAAAGGCACAGATCAATTCCTCAATGACTAGAACCCACAGAGATATAAACTA
CACTCTATCTTCAGCACAGCCTTGTCTCATTGTCCAAAGGAGTGGATATCATATTTCTACAATTGTTAT
TTCATTGGTATGGAGAGAAAATCTTGAATGACAGTTTGGTGTCTGCATTTCCAAAACTGTAGTCTGC
TTTACATAGATAGTGAAGAGGAGCAGGATTTTCTGCAATCTTTCACTGATCTCATGGACTGGAATCCT
TCGGAAGGGCAGAGGTACGCCCTGGGTCTGAAAGAAGACTCAATTTTCAAACAAAGATAGCAGAGATT
CTCCATGATGAATGTAAGTGTCCATGATGTCAGCTTCTGGTCTCACAGCAGACAAGTGTACAACCTTAC
ATCCATATCTTTGTAAGTGTAAATTCCTCATC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR221547 representing NM_001136068
Red=Cloning site Green=Tags(s)

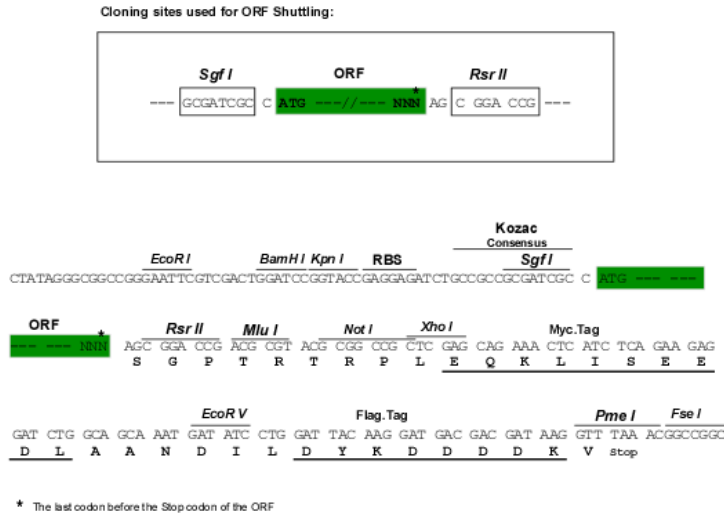
MSNERVYAE LK VAKNSRNQHRKPRGPRSSISVIEQEIIYSDFSFQNPSEQHPWICRNCPCCKGFPSPEK
 LIAGTLGLICFVLIVAVVVITTVATPYTEAKAQINSSMTRTHRDINYLSSAQPCPHCKEWSISYSHNCY
 FIGMERKSWNDSLVSISKNC SLLYIDSEEEQDFLQSLSLISWTGILRKGRGQPWVWKEDSIFKPKIAEI
 LHDECNCAMMSASGLTADNCTTLHPYLCKCKFPI

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9024_e06.zip

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_001136068

ORF Size: 732 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_001136068.2](#), [NP_001129540.1](#)

RefSeq Size: 735 bp

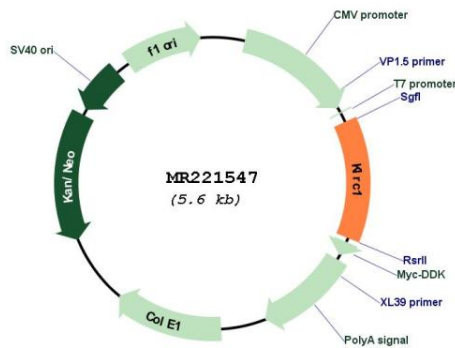
RefSeq ORF: 735 bp

Locus ID: 16641

Cytogenetics: 6 F3

MW: 28.1 kDa

Product images:



Circular map for MR221547