

Product datasheet for **MR220142**

Klrd1 (NM_010654) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Klrd1 (NM_010654) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Klrd1
Synonyms: CD94
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR220142 representing NM_010654
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGTTTCTAGGATCACTCGGTGGAGACTGATGTCTGTCTCTTTGGAATAAAATGTCTTTTCTTGA
TGGTTACTTTGGGAGTTTGTCTGATAAATTCATTTACTATACAGAACATTCATCAACACCTTCTCCAAC
CACCCTGTAGAATCCAGGAAGTTTCTGAATGCTGTGTTTGCCTGGACAAGTGGGTTGGGCATCAGTGC
AATTGTTACTTTATTTCCAAAGAAGAAAAGTCTTGAAAAGAAGCAGAGATTTCTGTGCTTCGCAGAATT
CCAGCCTTCTTCAGCCCAATCCAGAAATGAATTGAGTTTATGAACTTCAGTCAAACCTTTTTCTGGAT
TGGAAATGCATTATAGTAAAAAAGAAATGCCTGGCTATGGGAGGATGGCACAGTTCCTCAAAGATTTA
TTTCCAGAATTCTCAGTTATCAGGCCAGAGCACTGCATTGTTTACAGTCCAAGCAAAGCGTTTCTGCTG
AATCCTGTGAAAAATAAAACCGTTACATCTGTAAGAAACTGCCTATT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR220142 representing NM_010654
Red=Cloning site Green=Tags(s)

MAVSRITRWRLMSVIFGIKCLFLMVTLGVLLINSFTIQNIQSTPSPTTTVEFQEVSECCVCLDKWVGHQC
NCYFISKEEKSWKRSRDFCASQNSLLQPQSRNELSFMNFSQTFWIGMHYSEKRNAWLWEDGTVPKDL
FPEFSVIRPEHCIVYSPSKSVSAESCENKNRYICKLPI

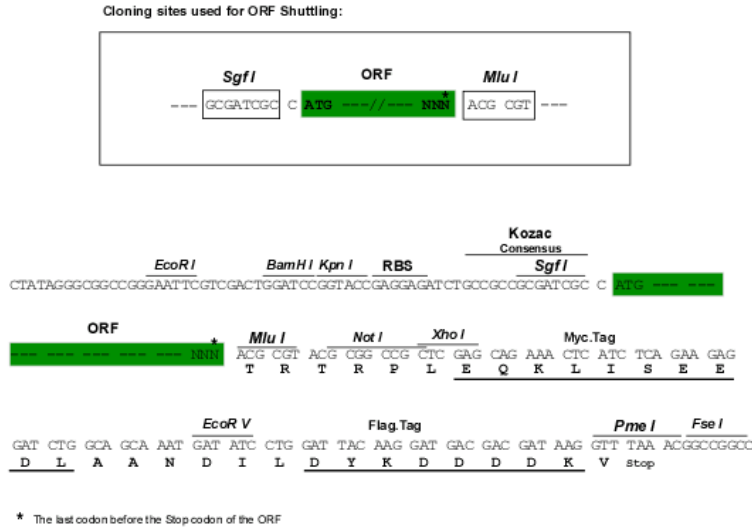
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9025_e08.zip



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_010654

ORF Size: 537 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_010654.4](#)

RefSeq Size: 724 bp

RefSeq ORF: 540 bp

Locus ID: 16643

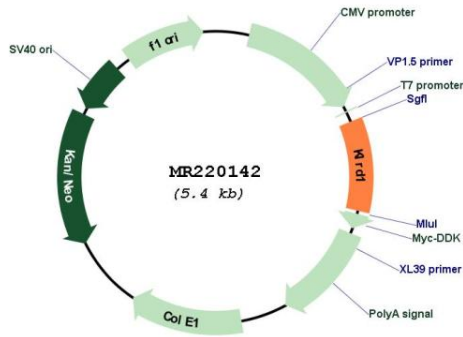
UniProt ID: [O54707](#)

Cytogenetics: 6 63.42 cM

MW: 21.3 kDa

Gene Summary: Plays a role as a receptor for the recognition of MHC class I HLA-E molecules by NK cells and some cytotoxic T-cells.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR220142