

Product datasheet for RR212269

Klrd1 (NM_012745) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Klrd1 (NM_012745) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Klrd1
Synonyms: Cd94
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR212269 representing NM_012745
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGTTTCTAGGATCACTCGATGGAGTTGATGTCCATGTTCTTTGGAATAAAATGTCTTTTCTTGA
TAGTTGCTTTGGGAGTTTGGTGAAAAATTCATTTACTATACAGAACATTCATCGACACCTTCTCAAC
CCCGATAGTAGAATCCAGAAAGTTTCTAAATGCTGTGCTTGCCTGGAAAAGTGGATTGGGCATCAATGC
AGTTGTTACTTTATTTCCAAAGAAGAAAAGTCTGGAAAAGGAAGCAGAGAGTTTTGTGCTTCTCAGAATT
CCAGTCTTCTCAGCTCCAAACCAGAAATGAATTGAGTTTTATGAGCTCCAGTCAAGCCTTTTTCTGGAT
TGGAAATCCACTATAATGAAGAAAGAAAGTGCCTGGCTATGGGAGGATGGCACATTTCCCTCAAAGATTTA
TTTCCAGAGTTCTCAAAGTTCAGGCAAGACCACTGCATTGGTTATAGTATAAGCAGAGAAATTTCTCTG
AATCCTGTGAAAATAAAAACCGTTTTATCTGTAAGCAACTGCCTACT

ACGCGTACGCGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR212269 representing NM_012745
 Red=Cloning site Green=Tags(s)

MAVSRIWRWLSMFFGIKCLFLIVALGLVKNSFTIQNIQSTPSSTPIVEFQKVKCCACLEKWIGHQC
SCYFISKEEKSWKGSREFCASQNSLLQLQTRNELSFMSSSQAFFWIGIHYNEERSAWLWEDGTFPSKDL
FPEFSKFRQDHCIGYSISREISSESCENKNRFICKQLPT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

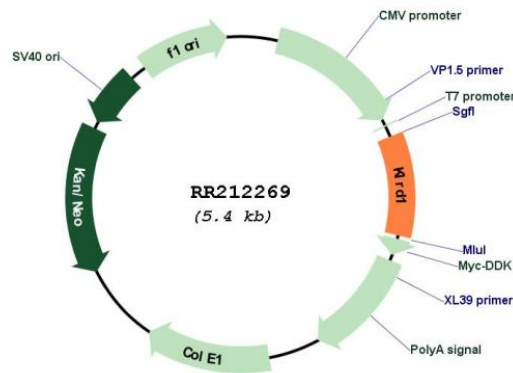


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Cloning Scheme:



Plasmid Map:



ACCN: NM_012745

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:	<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:	<u>NM_012745.2</u> , <u>NP_036877.1</u>
RefSeq Size:	1375 bp
RefSeq ORF:	540 bp
Locus ID:	25110
UniProt ID:	<u>O35778</u>
Cytogenetics:	4q42
MW:	20.8 kDa
Gene Summary:	a C-type lectin receptor for MHC class I molecules [RGD, Feb 2006]