

Product datasheet for **RR209526**

Klrb1a (NM_001010964) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Klrb1a (NM_001010964) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Klrb1a
Synonyms:	NKR-P1A; Nkrp1a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR209526 representing NM_001010964 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACACAGCACGTGTCTACCTCAGTTTAAAGCCATCCAAGACTGCCGCGGGGCTCAGTGTGTATCAC
CTCCATCTCTCCCCAGATGCCTGTCGGTGCCACGTTACACAGGTTGGCTTTGAAGCTCAGTGC
TGGGCTGATCCTTCTTGCTTGGCCCTGGTTGGGATGAGTATTTAGTGCAGTCTTAGTTCAAAAACCA
TCAGTGGAGCCATGCCGAGTGCTTATTCAAGAGAACCTGAGTAAACAGGTAGTCCAGCTAAGTTAAAGT
GCCAAAAGACTGGCTTTCACACCGAGATAAATGCTTTCATGTTTCTCAAACCTCCATCACTTGAAGGA
AAGTCTAGCTGACTGTGGTGGAAGGAGCCACGTTGCTGCTCGTTCAAGACCAAGAAGAACTGAGATTC
CTACGGAACCTTGACAAAGAGAATAAGCAGCTCATTCTGGATTGGATTAAGTTACACATTGTCAGACGAGA
ACTGGAAGTGGATAAACGGCTCGACTTTAAATTCTGATGTATTAAGCATCACTGGTGACACTGAAAAGGA
CAGCTGTGCCTCCGTCTCACAGGACAAAGTGCTTCTGAGAGCTGTGATTGAGACAATATATGGGTCTGC
CAAAAGGAACATAAATGTGAATGCATGTGAATGACTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR209526 representing NM_001010964

Red=Cloning site Green=Tags(s)

MDTARVYL SLKPSKTAAGAQCVSPPSLPPDACRCPRSHRLALKL SCAGL ILLVLALVGMSILVRVL VQKP
SVEPCRVLIQENLSKTGSPAKLKCPKDWL SHRDCKFHVSQTSITWKESLADCGGKATLLLVQDQEELRF
LRNLTKRISSFWIGLSYTLSDENWKWINGSTLNSDVL SITGDTEKDCASVSQDKVLS ESCSDSDNIWVC
QKELKCECMCND

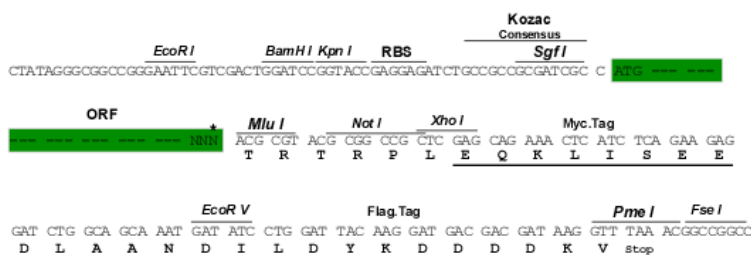
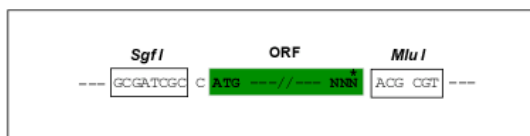
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM 001010964

ORF Size: 669 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_001010964.1](#), [NP_001010964.1](#)

RefSeq Size: 1012 bp

RefSeq ORF: 672 bp

Locus ID: 362443

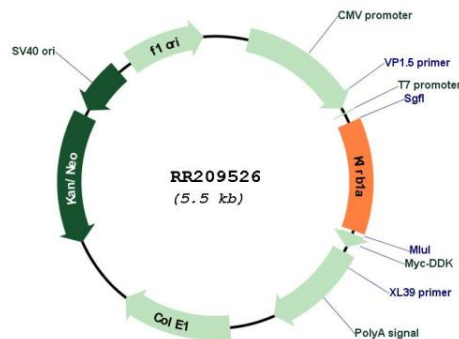
UniProt ID: [P27471](#)

Cytogenetics: 4q42

MW: 24.6 kDa

Gene Summary: Plays a stimulatory role on natural killer (NK) cell cytotoxicity.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR209526