

Product datasheet for **MC208909**

Klrb1a (NM_001159902) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Klrb1a (NM_001159902) Mouse Untagged Clone
Tag: Tag Free
Symbol: Klrb1a
Synonyms: ly-55A; Ly55a; NKR-P1.7; NKR-P1A; Nkrp1-a; Nkrp1a; NKRP12
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC208909 representing NM_001159902
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCATCTCTATGCACAATGGACACAGCAAGGGTCTACTTTGGTTTAAAGCCACCCAGGACTCCAGGGG
CTTGGCATGAGTACCCCATCTCTTCCCCAGTGGGAGTCTTAATACAAAAACCATCAATAGAAAAATG
CTATGTGCTTATTCAAGAGAACCTGAATAAAACAACAGATTGTTCAAGCTAAGCTAGAGTGCCACAAGAC
TGGCTTTCACACCGAGATAAGTGCTTTCACGTTTCTCAAGTTTCCAACACTTGGGAGGAAGTCTAGTTG
ATTGTGATGGAAGGAGCCACTTTGATGCTCATTCAAGACCAAGAAGAACTGAGATTCCTACTGGACTC
AATAAAGGAAAAATACAATTCATTTGGATTGGACTAAGGTACACATTGCCAGACATGAAGTGAAGTGG
ATAAATGGATCGACTTTAAATTCGATGTATTAATAAATCACTGGTGACACTGAAAATGACAGCTGTGCTG
CTATCTCAGGAGACAAAGTGACTTTTGAGAGCTGTAATTCAGACAACCGTTGGATCTGCCAAAAGGAACT
ATACCATGAAACCCTGAGCAACTATGTGGGTTATGGACACT**GA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001159902
Insert Size: 603 bp
OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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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_001159902.1</u> , <u>NP_001153374.1</u>
RefSeq Size:	1185 bp
RefSeq ORF:	603 bp
Locus ID:	17057
UniProt ID:	<u>P27811</u>
Cytogenetics:	6 63.06 cM
Gene Summary:	Plays a stimulatory role on natural killer (NK) cell cytotoxicity.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) lacks an alternate exon in the 5' coding region, compared to variant 1. This results in a shorter protein (isoform 2), compared to isoform 1.