

Product datasheet for **MC208910**

Klrb1a (NM_010737) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Klrb1a (NM_010737) Mouse Untagged Clone
Tag: Tag Free
Symbol: Klrb1a
Synonyms: ly-55A; Ly55a; NKR-P1.7; NKR-P1A; Nkrp1-a; Nkrp1a; NKR P12
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC208910 representing NM_010737
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCATCTCTATGCACAATGGACACAGCAAGGGTCTACTTTGGTTTAAAGCCACCCAGGACTCCAGGGG
CTTGGCATGAGTCACCCCATCTCTTCCCCAGATGCCTGTCGGTGCCACGTTACACAGGTTGGCTCT
GAAGCTCAGCTGTGCTGGGCTCATCCTCCTTGTCTGACCTGATTGGGATGAGTGTGTTAGTGCAGTC
CTAATACAAAACCATCAATAGAAAATGCTATGTGCTTATTCAAGAGAACCTGAATAAAAACAACAGATT
GTTCAGCTAAGCTAGAGTGCCCAAGACTGGCTTTCACACCGAGATAAGTGCTTTCACGTTTCTCAAGT
TTCCAACACTTGGGAGGAAGGTCTAGTTGATTGTGATGGAAAAGGAGCCACTTTGATGCTCATTCAAGAC
CAAGAAGAACTGAGATTCCTACTGGACTCAATAAAGGAAAAATACAATTCATTTTGGATTGGACTAAGGT
ACACATTGCCAGACATGAACTGGAAGTGGATAAATGGATCGACTTTAAATCTGATGTATTAATAATCAC
TGGTGACACTGAAAATGACAGCTGTGCTGCTATCTCAGGAGACAAAGTACTTTTGGAGCTGTAATTCA
GACAACCGTTGGATCTGCCAAAAGGAACATACCATGAAACCTGAGCAACTATGTGGGTTATGGACT
GA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_010737
Insert Size: 702 bp



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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).
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:	NM_010737.3 , NP_034867.3
RefSeq Size:	1284 bp
RefSeq ORF:	702 bp
Locus ID:	17057
UniProt ID:	P27811
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 (1) represents the longer transcript and encodes the longer isoform (1). CCDS Note: An upstream translation start codon is selected for this CCDS based on better conservation with mouse paralogs. The use of an alternative upstream start codon, which appears to be mouse-specific, would result in a protein that is 6 aa longer at the N-terminal.