

Product datasheet for **MC209878**

Klrg1 (NM_016970) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Klrg1 (NM_016970) Mouse Untagged Clone
Tag: Tag Free
Symbol: Klrg1
Synonyms: 2F1-Ag; MAFA; MAFA-L
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC209878 representing NM_016970
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTGACAGCTCTATCTATTCAACACTAGAGCTGCCGGAGGCACCTCAAGTCCAAGATGAGTCCAGAT
 GGAAGCTCAAAGCTGTCTTACACCGGCCCATCTTCCCGCTTTGCAATGGTGGCTTTGGGGCTTTTGAC
 TGTGATTCTCATGAGTCTACTGATGTATCAACGGATCCTGTGCTGCGGCTCAAGGACTCTACATGTTCC
 CACTGCCCCAGCTGCCCATCCTCTGGACGAGGAATGGTAGCCACTGTTACTATTTTCAATGGAGAAAA
 AGGACTGGAATTCTAGTCTGAAATCTGTGCAGACAAAGGCTCACATCTCCTTACATTTCCGGACAACCA
 GGGAGTGAAGCTGTTGGAGAGTACCTGGGTGAGGACTTTTACTGGATCGGCTTGAGGAACATTGATGGC
 TGGAGGTGGGAAGCGGCCAGCGCTCAGCTTGAGGATCTTACCAACAGCTTGATACAGAGGTGCGGTG
 CCATTCACAGAAATGGCCTCCAAGCCTCCAGTTGTGAAGTTGCTTTGCAGTGGATCTGTAAGAAGTCTCT
 A**ACTGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_016970
Insert Size: 567 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:	<u>NM_016970.1</u> , <u>NP_058666.1</u>
RefSeq Size:	1374 bp
RefSeq ORF:	567 bp
Locus ID:	50928
UniProt ID:	<u>O88713</u>
Cytogenetics:	6 57.52 cM
Gene Summary:	Plays an inhibitory role on natural killer (NK) cells and T-cell functions upon binding to their non-MHC ligands. May mediate missing self recognition by binding to a highly conserved site on classical cadherins, enabling it to monitor expression of E-cadherin/CDH1, N-cadherin/CDH2 and R-cadherin/CDH4 on target cells.[UniProtKB/Swiss-Prot Function]