

### **Product datasheet for MR222276L3**

# Klrg1 (NM\_016970) Mouse Tagged Lenti ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

Product Name: Klrg1 (NM\_016970) Mouse Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Klrg1

Synonyms: 2F1-Ag; MAFA; MAFA-L

Mammalian Cell Puromycin

Selection:

**Vector:** pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(MR222276).

Sequence:

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





<sup>\*</sup> The last codon before the Stop codon of the ORF.

**ACCN:** NM\_016970

ORF Size: 564 bp



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#### Klrg1 (NM\_016970) Mouse Tagged Lenti ORF Clone - MR222276L3

**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: <u>NM 016970.1</u>, <u>NP 058666.1</u>

 RefSeq Size:
 1374 bp

 RefSeq ORF:
 567 bp

 Locus ID:
 50928

 UniProt ID:
 088713

Cytogenetics: 6 57.52 cM

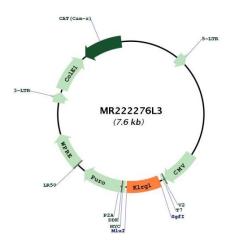
**Gene Summary:** Plays an inhibitory role on natural killer (NK) cells and T-cell functions upon binding to their

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]



## **Product images:**



Circular map for MR222276L3