

## Product datasheet for **MR215228**

### **Klra9 (NM\_010651) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Klra9 (NM\_010651) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Klra9  
**Synonyms:** Ly49l; LY49l1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR215228 representing NM\_010651  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAATGAGCCGGAGGTCACCTTACTCAACTGTGAGACTTCATAAGTCTTCAGGGTGCAGAAATTAGTAA  
GGCATGAGGAGACTCAAGGGCCAGAGAAGCTGGCAACAGAAAGTTCAGTATCCTGGCAACTCATTGT  
GAAAGCTCTTGAATCCTCTGTTTCCTTCTTCTGGTAATAGTTGCAGTGTGACGATAAAGATTTTTTCAG  
TATAGTCAACACAACAAGAAATCAATGAAACTCTCAACCACTACCATAACTGCAGCAACATGCAAAGTG  
ATTTCAACTTAAAGGAAGAAATGTTGACAAATAAGTCTATAGATTGTAGGCCAAGCAATGAACCTTCTGGA  
TTACATCAAAGAGAACAGGACAGATGGAACAGTGAAACCAAGACGGTTTTAGATTCCCTACGGGACACA  
GGCAGAGGTGTTAAACACTGGTTCTGCTATGGTACTAAATGTTATTATTTTCATCATGAACAAAACACTACAT  
GGAGTGGATGTAAGCGAACTGCCAGCATTACAGCGTTCCCATTTGTGAAGATAGAAGATGAAGATGAACT  
GAAATTCCTTCAACGCCATGTTATTCCAGAGAGTTACTGGATTGGATTGTCTTATGATAAGAAAAAAG  
GAATGGGCATGGATTGACAATGGCCAATCTAACTTGACATGAAAACAAGGAAAATGAACTTAAGTCTA  
GAGGATGTGATTTTTATCTAAAGCAAGAATAGAAGATACTGACTGTAATATTCCTACTACTGTATTTG  
TGGGAAGAACTGGATAAATTCCTGAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR215228 representing NM\_010651  
Red=Cloning site Green=Tags(s)

MNEPEVTYSTVRLHKSSGLQKLVRHEETQGPREGNRKCSVSWQLIVKALGILCFLLLVIVAVLTIKIFQ  
 YSQHKQEQINETLNHYHNCNSMQSDFNLKEEMLTNKSIDCRPSNELLDYIKREQDRWNSETKTVLDSSRDT  
 GRGVKHWFCYGTCKCYFFIMNKTTWSGCKANCQHYSPVIVKIEDEDELKFLQRHVIPESYWIGLSYDKKKK  
 EWAWIDNGQSKLDMKTRKMNFKSRGCVFLSKARIEDTDCNIPYYCIGKKLDFKFPD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9057\\_h07.zip](https://cdn.origene.com/chromatograms/mm9057_h07.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_010651

**ORF Size:** 798 bp

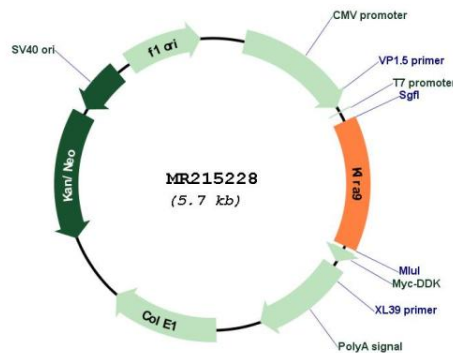
**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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\\_010651.3](#), [NP\\_034781.2](#)
- RefSeq Size:** 1194 bp
- RefSeq ORF:** 801 bp
- Locus ID:** 16640
- UniProt ID:** [Q64329](#)
- Cytogenetics:** 6 63.44 cM
- MW:** 31.3 kDa
- Gene Summary:** Receptor on natural killer (NK) cells for class I MHC.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR215228