

## Product datasheet for **MG215228**

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

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Klra9 (NM_010651) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Klra9
Synonyms:	Ly49l; LY49I1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG215228 representing NM_010651 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAATGAGCCGGAGGTCACCTTACTCAACTGTGAGACTTCATAAGTCTTCAGGGTGCAGAAATTAGTAA  
GGCATGAGGAGACTCAAGGGCCAGAGAAGCTGGCAACAGAAAGTTCAGTATCCTGGCAACTCATTGT  
GAAAGCTCTTGAATCCTCTGTTTCCTTCTTCTGGTAATAGTTGCAGTGTGACGATAAAGATTTTTTCAG  
TATAGTCAACACAAACAAGAAATCAATGAAACTCTCAACCACTACCATAACTGCAGCAACATGCAAAGTG  
ATTTCAACTTAAAGGAAGAAATGTTGACAAATAAGTCTATAGATTGTAGGCCAAGCAATGAACCTTCTGGA  
TTACATCAAAGAGAACAGGACAGATGGAACAGTGAAACCAAGACGGTTTTAGATTCCCTACGGGACACA  
GGCAGAGGTGTTAAACACTGGTTCTGCTATGGTACTAAATGTTATTATTTTCATCATGAACAAAACACTACAT  
GGAGTGGATGTAAGCGAACTGCCAGCATTACAGCGTTCCCATTTGTAAGATAGAAGATGAAGATGAACT  
GAAATTCCTTCAACGCCATGTTATTCCAGAGAGTTACTGGATTGGATTGTCTTATGATAAGAAAAAAG  
GAATGGGCATGGATTGACAATGGCCAATCTAACTTGACATGAAAACAAGGAAAATGAACTTAAGTCTA  
GAGGATGTGTATTTTTATCTAAAGCAAGAATAGAAGATACTGACTGTAATATTCCTACTACTGTATTTG  
TGGGAAGAAACTGGATAAATTCCTGAT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG215228 representing NM\_010651  
Red=Cloning site Green=Tags(s)

MNEPEVTYSTVRLHKSSGLQKLVREETQGPREGNRKCSVSWQLIVKALGILCFLLLVIVAVLTIKIFQ  
 YSQHKQEIINETLNHYHNCNSMQSDFNLKEEMLTNKSIDCRPSNELLDYIKREQDRWNSETKTVLDSSRDT  
 GRGVKHWFCYGTCKCYFFIMNKTTWSGCKANCQHYSPVIVKIEDEDELKFLQRHVIPESYWIGLSYDKKKK  
 EWAVIDNGQSKLDMKTRKMNFKSRGCVFLSKARIEDTDCNIPYYCICGKKLDKFPD

TRTRPLE - GFP Tag - V

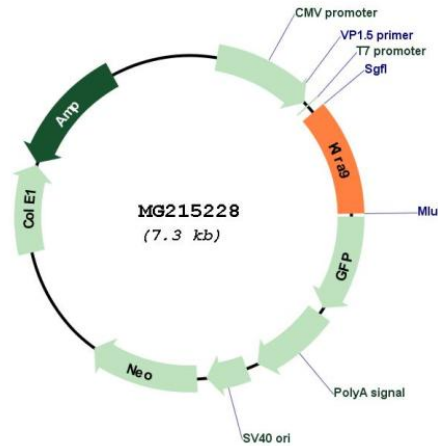
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**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

**Gene Summary:** Receptor on natural killer (NK) cells for class I MHC.[UniProtKB/Swiss-Prot Function]