

Product datasheet for **MR215231**

Klra21 (NM_053151) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Klra21 (NM_053151) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Klra21
Synonyms:	Klra-ps1; Ly49H; Ly49u
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR215231 representing NM_053151 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGAGTGAGCAGGAGGTCACTTTCCCAACTATGAGATTCCACAAGTCTTCAGGGTTGAACAGCCAGGTGA
 GACTTGAGGGGACTCAGAGATCTAGAAAAGCTGGCCTAAGAGTGTGTTTCAGTCCCTTGCCAGCTCATTGT
 GATAGCACTTGAATCCTCTGTTCCCTTCGGCTGGTAATTGTTGCAGTGTGTTGACAAAAGATTTTTCAG
 TATAGTCAACACAAACAAGAAATCAATGAACTCTCAACCACCACATAACTGCAGCAACATGCAAAGGG
 ATTTCACTTAAAGGAAGAAATGTTGACAAATAAGTCTATAGATTGTAGGCCAAGCTATGAACCTTCTGGA
 ATACATCAAAAGAGAACAGGACAGATGGGACAGTGAAACCAAGACTGTTTTACATTCCACACAGAACACA
 GGCAGAGGTGTTAAATACTGGTTCTGCTATAGTACTAAATGTTATTATTTTCATCATGAACAAAACACTACAT
 GGAGTGGATGTAAAGCGAACTGCCAGCATTACAGCGTTCCCATTTGTGAACATAGAAGATAAAGATGAACT
 GAAATTCCTTCAGCGCCATGTTATTACAGAGGGTTACTGGATTGGATTGTCTTATGATAAGAAAAAAG
 GAATGGGCATGGATTGACAATGGCAATCTAACTTGACATGAAAATAAGGAAATGAACTTAAGTCTA
 GAGGATGTGATTTTTATCTAAAGCAAGAATAGAAGATACTGACTGTAATATTCCTACTACTGTATTG
 TGGGAAGAACTGGATAAATTCCTGAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >MR215231 representing NM_053151

Red=Cloning site Green=Tags(s)

MSEQEVTFPTMRFHKSSGLNSQVRLEGTQSRKAGLRVCSVPWQLIVIALGILCSLRLVIVAVFVTKIFQ
YSQHKQEINETLNHHHNCNMQRDFNLKEEMLTNKSIDCRPSYELLEIYIKREQDRWDSETKVLHSTQNT
GRGVKYWFCYSTKCYFIMNKTTWSGCKANCQHSVPINVIEDKDELKFLQRHVITEGYWIGLSYDKKKK
EWAVIDNGOSKLDMKIRKMNFKSRGCVFLSKARIEDTDCNIPYYCICGKKLDKFPD

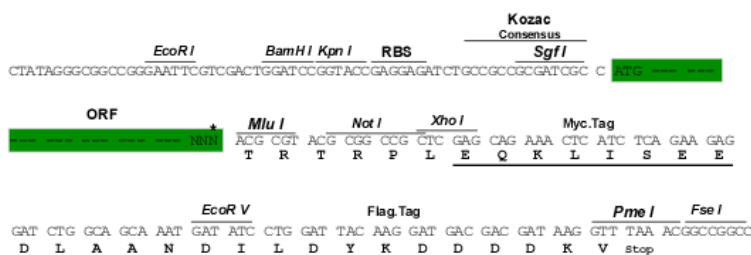
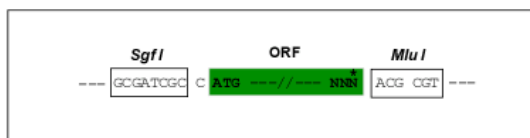
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM 053151

ORF Size: 798 bp

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_053151.1, NP_444381.1

RefSeq Size: 1150 bp

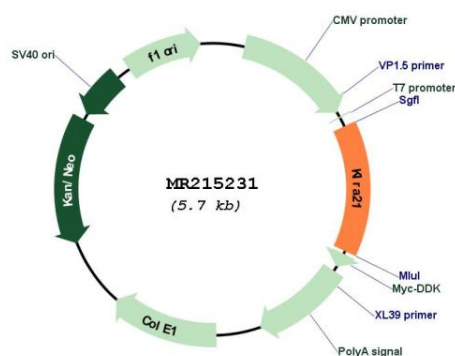
RefSeq ORF: 801 bp

Locus ID: 93968

Cytogenetics: 6 F3

MW: 31.8 kDa

Product images:



Circular map for MR215231