

## Product datasheet for **MR214825**

### Lekr1 (NM\_001166659) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Lekr1 (NM_001166659) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lekr1
Synonyms:	EG546798; EG624866; Gm6534
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR214825 representing NM\_001166659  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGATCGTCACATTCCCATGCATGCCTTACCTGAAGAAATCCAAAAGATGTCTCCTGAAGAAACAGTTT  
 GTAATACTGTGGCGTCAGCTATCTAATCTTCATGAATTTAAGGCTATGGAAGAAAACTGAAAGCAGT  
 GCAAGAAGAAATGAAATTTTATCAAGGAAGGTAGAACGTGAAAAGAACTTCAAGAAAAGCTGCAGTCT  
 CTTAGCCAGGAGTTTGAACAGTATAAAAGTGACAGCGAGTCCAAGAAGGCAAGAGTTGAAGATGCAAGCA  
 TACAGTTAAAAAGCAACAAAATGGATTTAGAGAGTACAGAAAGAAATTAGGTCTCTACAACCTTGAGTT  
 AAAAATTAACAAAAACAATCCCAAGTCTTCAGTCAAAGATTGTCAGAATACAAATACTTCTGGAATAAG  
 ACTCTTTTATTACTTACTTTTACTAAAAGGGAATAACAAGTATTAATATGAAATATATGATAATTTTC  
 AAAACTGGACTTCACTGAAAGGAGAAGTTTTTCTACAAATTAATCTATAAGTGATACAGCTTTGGCAGA  
 GATAGATATGTTAAATAAAAGTCTGACAGTGTCCAGAGAAATAAGGTATGCCTGGAAGAGGAAATGAAA  
 AGTCTCAAATTTGTGTCGGATGCAGCCATATTGAGGTCTCAGCAGATGGAGGCATCCAAACAGCATGAAG  
 TGAACCTGCAAGCCAGGTGCTATGAGCTGCAGAAGGAAGCACTAGATTTACAGTGTCAAGTAGAGGCACT  
 TGGGTTGAGACTTCAAGAGACAGCAAAGGAGCTGGACAACCTGTAAGGAGATGCTCATGAAAAATCTAAT  
 GATGCTGAAAGCTGTGAAAGAGAAGCTTAGAAAAGTGAAGTTTGTAGTCCATTATCTCTGAGTCAAGGCACA  
 AAAGGCTACTTAAAGAAAAAGAAGACTCTTTAATTACTTGCCAACAACATATAAAAACCGTACAGGAAGA  
 GCTGACAACAAAAGAAAGACAAGAGGAAGATATAAAACGGAGAATCAACCTCACAGAAAATGAACTAGAG  
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 CCTGAGGCTGGAAGTGGCCTCTCTCCAAGAAAACTGCATGAATCCCATGCACAATACACAGAAGAGTCT  
 GAATCGAAGAAAAAGAAATGAAGACCTGAAAAATCTGGTAGCAGAATCCAGTGTGTTTTGAAACAGG  
 AAAGTAAAGGCTGGCCAGACACAGCTGCTGCAGCAGTTCAGCCAGTACAGGAAGAGAACACTTTTCTC  
 CAGGAAACCGTGCAGAGAGTGAAGAACGCTTTGAACTAACGGAGGCTTTGAGTCAAGCCAAAGAAC  
 AGCTCCTGGAGCTCAGGAGGAGCGGAGGAACTTACCGTGTCCCTCAATAAGGGCACCCCTAACCTACCC  
 TGCCCTCGGAGTCAGTAATCACCGGAGCTAAGCAGTGGGAGACAGAAGTGTGGACGAGGACCCGGCAGC  
 CCCAGCCTGCGTGGACTGCCAAAACCCACAGCTTCCCCGACCCAGATAAGCTCAAGAAGGTGAGCAGCT  
 CGGGACTGCCCTTTCCAGGCATATCCTCCAGGGCCGAGCAATTCAGTAAACGAGGCCAGGCA  
 GAGGTTGACAGCCATCTTCGCAGGAGGTTGAGTCAGCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR214825 representing NM\_001166659  
Red=Cloning site Green=Tags(s)

```
MDRHIPMHALPEEIQKMSPEETVCKYCGVSYLILHEFKAMEEKLKAVQEEMKFYQGSVEREKKLQEKLQS
LSQEFQYKSDSESKKARVEDASIQKKQNGFQRVQKELGHLQLELKIKQKQSQVFSQRLSEYKYFWNK
LLLLLFTKRELTSIKYEIYDNFNWTSLKGEVFLQIKSISDTALAEIDMLNKSLSLTVSQRNKVCLEEEMK
SLKLLSDAAILRSQQMEASKQHEVNLQARCYELQKEALDLQCQVEALGLRLQKTAKELDNCKEMLMKSN
DAESCERELRKLKFESEIISESRHKRLKKEKEDSLITCQQLYKTVQEELTTKERQEEDIKRRINLTENELE
MTKSLLLQQTQEEILTLKNERELMLVSHQKSIEQLQETLRQKLLSDDSWREKIEAELSKERARHLIEFDQD
ALLFKEEAKLELDIEKEKHQEIIRKYQEQEHDLQRKIGDLIADATKDLRLEVASLQEKLESHAQYTEES
ESKKKEIEDLKNLVAEFQCRLKQETGRDSDISEELKEMKQKSDELERVLAQTQLLQQFSQSQEENTFL
QETVRRECEERFELTEALSQAQEQLLELRRSGGNLPCSLNKGTLTYPASAVSNHRELSGRQNCGRGTGT
PSLRGLPKPTASPTPDKLKKVSSSGLPALSQAYPPRGRAISVNEARQRLTAILRRRLSQQ
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**ACCN:** NM\_001166659

**ORF Size:** 2070 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.

**RefSeq:** [NM\\_001166659.1](#), [NP\\_001160131.1](#)

**RefSeq Size:** 2201 bp

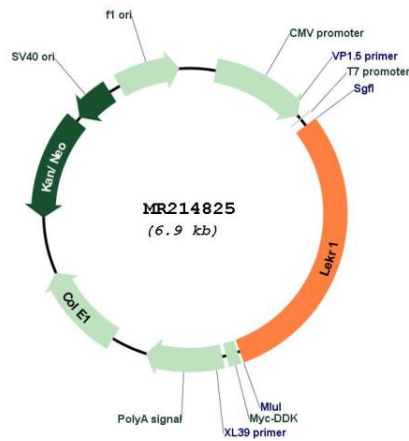
**RefSeq ORF:** 2073 bp

**Locus ID:** 624866

**Cytogenetics:** 3 E1

**MW:** 81.1 kDa

**Product images:**



Circular map for MR214825