

## Product datasheet for **MG214825**

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

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Lekr1 (NM_001166659) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lekr1
Synonyms:	EG546798; EG624866; Gm6534
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MG214825 representing NM\_001166659  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGATCGTCACATTCCCATGCATGCCTTACCTGAAGAAATCCAAAAGATGTCTCCTGAAGAAACAGTTT  
 GTAATACTGTGGCGTCAGCTATCTAATCTTCATGAATTTAAGGCTATGGAAGAAAACTGAAAGCAGT  
 GCAAGAAGAAATGAAATTTTATCAAGGAAGGTAGAACGTGAAAAGAACTTCAAGAAAAGCTGCAGTCT  
 CTTAGCCAGGAGTTGAACAGTATAAAAGTGACAGCGAGTCCAAGAAGGCAAGAGTTGAAGATGCAAGCA  
 TACAGTTAAAAAGCAACAAAATGGATTTAGAGAGTACAGAAAGAAATTAGGTCATCTACAACCTTGAGTT  
 AAAAATTAACAAAAACAATCCCAAGTCTTCAGTCAAAGATTGTCAGAATACAAACTTCTGGAATAAG  
 ACTCTTTTATTACTTACTTTTACTAAAAGGGAATAACAAGTATTAATATGAAATATATGATAATTTTC  
 AAAACTGGACTTCACTGAAAGGAGAAGTTTTTCTACAAATTAATCTATAAGTGATACAGCTTTGGCAGA  
 GATAGATATGTTAAATAAAGTCTGACAGTGTCCAGAGAAATAAGGTATGCCTGGAAGAGGAAATGAAA  
 AGTCTCAAATTTGTGTCGGATGCAGCCATATTGAGGTCTCAGCAGATGGAGGCATCCAAACAGCATGAAG  
 TGAAGTTGCAAGCCAGGTGCTATGAGCTGCAGAAGGAAGCACTAGATTTACAGTGTCAAGTAGAGGCACT  
 TGGGTTGAGACTTCAGAAGACAGCAAAGGAGCTGGACAACCTGTAAGGAGATGCTCATGAAAAATCTAAT  
 GATGCTGAAAGCTGTGAAAGAGAAGTCTTAACTTACTTGCCAACAACATATAAAACCGTACAGGAAGA  
 AAAGGCTACTTAAAGAAAAAGAAGACTCTTAACTTACTTGCCAACAACATATAAAACCGTACAGGAAGA  
 GCTGACAACAAAAAGAAAGACAAGAGGAAGATATAAACCGGAGAATCAACCTCACAGAAAAAGAACTAGAG  
 ATGACTAAATCTCTCTGCTTCAGACACAGGAAGAAATTTAACACTGAAAAATGAAAGGGAATTGATGC  
 TGGTTTTCTATCAGAAAAGCATCGAGCAGCTGCAGGAAACCTGAGACAGAAGCTGCTGAGCGATGACAG  
 CTGGCGGGAGAAGATTGAAGCTGAGCTCAGCAAGGAAAGAGCCCGGCATCTCATTGAGTTCCAGGATCAA  
 GCTCTTCTCTTTAAGGAGGAAGCTAAACTGGAACCTTGACATTGAAAAAGAAAAGCACCAGGAAATATCC  
 GGAAGTATCAGCAAGAACATGAGGACCTGCAGAGGAAGATAGGTGACCTAATCGCAGATGCTACAAAGGA  
 CCTGAGGCTGGAAGTGGCCTCTCTCCAAGAAAACTGCATGAATCCCATGCACAATACACAGAAGAGTCT  
 GAATCGAAGAAAAAGAAATGAAGACCTGAAAAATCTGGTAGCAGAATCCAGTGTGTTTTGAAACAGG  
 AAAGTAAAGGCTGGCCAGACACAGCTGCTGCAGCAGTTCAGCCAGTACAGGAAGAGAACACTTTTCTC  
 CAGGAAACCGTGCAGAGAGTGAAGAACGCTTTGAACTAACGGAGGCTTTGAGTCAAGCCAAAGAAC  
 AGTCTCTGGAGCTCAGGAGGAGCGGAGGAACTTACCGTGTCCCTCAATAAGGGCACCCCTAACCTACCC  
 TGCCCTCGGAGTCAGTAATCACCGGAGCTAAGCAGTGGGAGACAGAAGTGTGGACGAGGACCCGGCAGC  
 CCCAGCCTGCGTGGACTGCCAAAACCCACAGCTTCCCCGACCCAGATAAGCTCAAGAAGGTGAGCAGCT  
 CGGGACTGCCTGCCCTTTCCAGGCATATCCTCCAGGGCCGAGCAATTCAGTAAACGAGGCCAGGCA  
 GAGGTTGACAGCCATCTTCGCAGGAGGTTGAGTCAGCAG

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:** >MG214825 representing NM\_001166659  
Red=Cloning site Green=Tags(s)

```
MDRHIPMHALPEEIQKMSPEETVCKYCGVSYLILHEFKAMEEKLKAVQEEMKFYQGSVEREKKLQEKLQS
LSQEFEQYKSDSESKKARVEDASIQKKQNGFQRVQKELGHLQLELKIKQKQSQVFSQRLSEYKYFWNK
LLLLLTFTRKRELSIKYEIYDNFNQWNTSLKGEVFLQIKSISDTALAEIDMLNKSLTVSQRNKVCLEEMK
SLKLLSDAAILRSQQMEASKQHEVNLQARCYELQKEALDLQCQVEALGLRLQKTAKELDNCKEMLMKSN
DAESCERELRKLKFESEIISESRHKRLLKEKEDSLITCQQLYKTVQEELTTKERQEEDIKRRINLTENELE
MTKSLLLQTQEEILTLKNERELMLVSHQKSIEQLQETLRQKLLSDDSWREKIEAELSKERARHLIEFQDQ
ALLFKEEAKLELDIEKEKHQEIIRKYQEQEHDLQRKIGDLIADATKDLRLEVASLQEKLHESHAQYTEES
ESKKKEIEDLKNLVAEFQCRLKQETGRDSDISEELKKEMKQKSDELERVLAQTQLLQQFSQSQEENTFL
QETVRRECEERFELTEALSQAKEQLLELRRSGGNLPCSLNKGTLTYPASAVSNHRELSGRQNCGRGTGT
PSLRGLPKPTASPTPDKLKKVSSSGLPALSQAYPPRGRAISVNEARQRLTAILRRRLSQQ
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-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

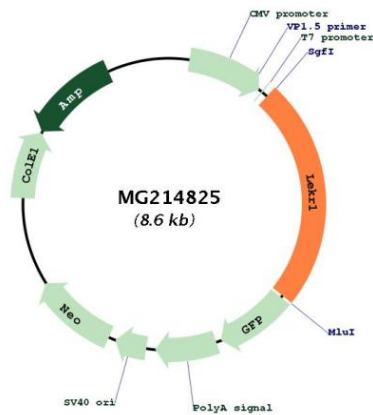
**RefSeq Size:** 2201 bp

**RefSeq ORF:** 2073 bp

**Locus ID:** 624866

**Cytogenetics:** 3 E1

**Product images:**



Circular map for MG214825