

## Product datasheet for **MC219126**

### Lctl (NM\_145835) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Lctl (NM_145835) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lctl
Synonyms:	E130104I05Rik; KLPH
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**Fully Sequenced ORF:** >MC219126 representing NM\_145835  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAAGCCAGTGTGGGTATCATCTTGGGTGGATCCTGTGGTGGCCAGGGTAGGGACTGCCTGGAGAG  
 GACCCCAAGAAGAGGCATCCTTCTACTATGGAACCTTTCCACCCGGCTTCTCCTGGGGCGTGGGCAGTTC  
 TGCTACCCAGACAGAAGGTGCATGGGACAGGATGGGAAAGGGCCAGCATCTGGGATGCCTTCACACAT  
 GGCAGAAAGAACAGGTGCTAGGAGGTGACACAGCAGACACAGCCTGTGACAGCTACTATAAAGTTCAGG  
 AGGACATTGCCCTGCTGAAGGAACAAGTACAGCCACTACCGATTTTCCCTGTCTTGGCCGCGGCTCCT  
 GCCCACGGGGTTCAGAGCTGAACAGGTGAACAAGAGAGGAATCAAATTCTACAGCGATTTTCATTGACGCT  
 CTCCTGAAGAGCAACATACCCCGTTGTGACCTTGACCACTGGGACCTACCACAGATGCTCCAGGTAG  
 CATAACGGCGGGTGGCAGAATGTGAGTATGACCCGATACTTCAGTACTATGCTGACCTATGCTTTGAGGT  
 CTTTGGGGACCGAGTGAAGCATTGGCTCACATTCAGTGATCCTCGGACAATGGTAGAAAAAGTTATGAG  
 ACCGGTCTCCACGCACCGGCTGAGGCTCCAGGGCACTGGCCTATATGTGGCTGCACACCATATACCTA  
 AGGCCACGCCAGGCTTGGCATTCTTATAATAACACGTGGCGCAGCAAACAGCAGCGCCTAGTAGGGAT  
 CTCCTGAACTGTGACTGGGGGAACTGTGGACATCGACAACCCGACGATATTGAGGCTGCTGAGCGA  
 TACCTACAGTTCTGTCTCGGTTGGTTTGCCAACCTATTTACGCTGGTGACTACCCCAAGTCATGAAAAG  
 ACCACATTGGAACAAAGAGTGGCAGCAAGGCCTGGAGATGTCGAGGTTGCCACGTTCTCCCTGCAGGA  
 GAAGAGCTACCTAAAGGCACATCTGACTTCTGGGCTGGGCCATTTTACCCTCGATACATCACTCAA  
 AGGAAATATCCCTCCCACAGGGGCCAGCTACCAGAATGACCGTACTTAGTGGAGCTTGTGGACCCCA  
 ACTGGCCAGAAATGGGATCCCCATGGCTCTATTCTGTGCCGTGGGGATTACAGGAGCTTCTCACTTTGC  
 CCAGACTCAGTACGGTGACCTCCCATATATGTGACAGAAAGTGGAGCGCCCAAAAGTTACATTGCACT  
 CAGTTCTGCGATGAGTGGAGAATCCAGTACCTCAAAGGATACATCAATGAAATGTTAAAAGCTATAAAAAG  
 ATGGCGTGGATATAAAAGGGTATACTTCTGGTCTCTGTTGGATAAGTTTGAATGGGAGAAAGGCTATGC  
 AGATAAATATGGATTCTACTATGTTGAATTCAATGTGAGAAACAAGCCTCGCTATCCCAAGGCTTCTGTG  
 CAGTATTACAAGGAGATCATCACAGCCAGTGGGTTCCCAAACCCACAAGAGGTGGAAAGTTGGCGTCTCA  
 AAGCCTTGAAACTTGTCCATCAACAACCAGATGCTTCCACAGAGCCCTTGTAGGCACATGCACGT  
 GGCTTCAGAGATTGTGGTCCCCACAGTCTGCGCCCTCTCCATCCTCACTGCTGCCCTGATGCTGACACTT  
 CTCCTCAGGAGACGTGGCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_145835
- Insert Size:** 1701 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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\\_145835.2](#), [NP\\_665834.1](#)

**RefSeq Size:** 2187 bp

**RefSeq ORF:** 1701 bp

**Locus ID:** 235435

**UniProt ID:** [Q8K1F9](#)

**Cytogenetics:** 9 C

**Gene Summary:** Plays a role in formation of the lens suture in the eye, which is important for normal optical properties of the lens.[UniProtKB/Swiss-Prot Function]