

Product datasheet for MR206199

Lctl (BC030631) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lctl (BC030631) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lctl
Synonyms:	E130104I05Rik; KLPH
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206199 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCCGATACTTCAGTGACTATGCTGACCTATGCTTTGAGGTCTTTGGGGACCGAGTGAAGCATTGGC
TCACATTCAGTGATCCTCGGACAATGGTAGAAAAAGTTATGAGACCGGTCTCCACGCACCAGGCCGTGAG
GCTCCAGGGCACTGGCCTATATGTGGCTGCACACCATATCATTAAAGGCCACGCCAGGCTTGGCATTCT
TATAATAACACGTGGCGCAGCAAACAGCACGGCCTAGTAGGGATCTCACTGAAGTGTGACTGGGGGAAC
CTGTGGACATCGACAACCCGACGATATTGAGGCTGCTGAGCGATACCTACAGTTCTGTCTCGGTTGGTT
TGCCAACCTATTTACGCTGGTGACTACCCCAAGTCATGAAAGACCACATTGGAACAAAGAGTGCCGAG
CAAGGCCCTGGAGATGTCGAGGTTGCCACGTTCTCCCTGCAGGAGAAGAGCTACCTAAAGGCACATCTG
ACTTCCTGGGCCCTGGGCCATTTTACCACTCGATACATCACTCAAAGGAAATATCCCTCCCACCAGGGGCC
CAGCTACCAGAATGACCGTGACTTAGTGGAGCTTGTGGACCCCAACTGGCCAGAAATGGGATCCCATGG
CTCTATTCTGTGCCGTGGGGATTGAGGAGGCTTCAACTTTGCCAGACTCAGTACGGTGACCCCTCCA
TATATGTGACAGAAAGTGGAGCGCCCAAAAGTTACATTGCACTCAGTTCTGCGATGAGTGGAGAATCCA
GTACCTCAAAGGATACATCAATGAAATGTTAAAAGCTATAAAAAGTGGCGTGGATATAAAAGGGTATACT
TCCTGGTCTCTGTTGGATAAGTTTGAATGGGAGAAAGGCTATGAGATAAATATGGATTCTACTATGTTG
AATTCAATGTGAGAAACAAGCCTCGCTATCCCAAGGCTTCTGTGAGTATTACAAGGAGATCATCACAGC
CAGTGGGTTCCCAAACCAAGAGGTGAAAAGTTGGCGTCTCAAAGCCTTGAAACTTGCTCCATCAAC
AACCAGATGCTTGCCACAGGAGACGTGGCTGAGACGGGATCTCCTCTCCACCTTCATCTGTCAAAGCATC
TCTTCAGGATCACTCTTCTTTCTGCTGCAGAAGTTCACGTGATGTCTATTTTTCAGGCTCTGAAAAAT

ACGGTACGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR206199 protein sequence
 Red=Cloning site Green=Tags(s)

MTRYFSDYADLCFEVFGDRVKHWLTFSDPRTMVEKGYETGLHAPGLRLQGTGLYVAAHHIIKAHAQAWHS
 YNNTWRSKQHGLVGISLNCDWGEPVDIDNPDDIEAAERYLQFCLGWANPIYAGDYPQVMKDHIGTKSAE
 QGLEMSRLPTFSLQEKSYLKGTSDFLGLGHFTTRYITQRKYPSHQGPSYQNDRLVELVDPNWPMPGSPW
 LYSVPWGFRRLLNFAQTQYGDPPYVVTESGAPQKLHCTQFCDEWRIQYLKGYINEMLKAIKDGVDIKGYT
 SWSLLDKFEWEKGYADKYGFYYVEFNVRNKPRYPKASVQYYKEIITASGFNPNQEVESWRLKALETCSIN
 NQMLATGDVAETGSPLHLHL SKHLFRITLLFCCRSSRDVYFSGSEN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC030631

ORF Size: 1188 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: BC030631, AAH30631

RefSeq Size: 1394 bp

RefSeq ORF: 1190 bp

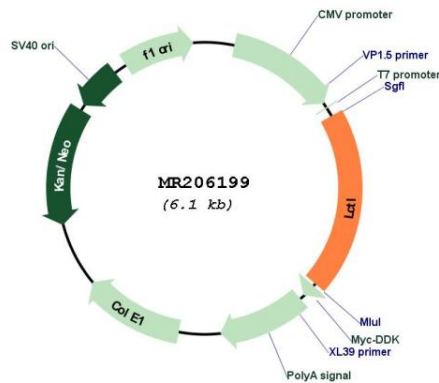
Locus ID: 235435

Cytogenetics: 9 C

MW: 45.8 kDa

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]

Product images:



Circular map for MR206199