

Product datasheet for **MG206199**

LctI (BC030631) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LctI (BC030631) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LctI
Synonyms:	E130104I05Rik; KLPH
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206199 representing BC030631 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCCGATACTTCAGTGACTATGCTGACCTATGCTTTGAGGTCTTTGGGGACCGAGTGAAGCATTGGC
TCACATTCAGTGATCCTCGGACAATGGTAGAAAAAGTTATGAGACCGGTCTCCACGCACCAGGCCCTGAG
GCTCCAGGGCACTGGCCATATGTGGCTGCACACCATATCATTAAAGCCCACGCCAGGCTTGGCATTCT
TATAATAACACGTGGCGCAGCAAACAGCACGGCCTAGTAGGGATCTCACTGAAGTGTGACTGGGGGAAC
CTGTGGACATCGACAACCCCGACGATATTGAGGCTGCTGAGCGATACCTACAGTTCTGTCTCGGTTGGTT
TGCCAACCTATTTACGCTGGTGACTACCCCAAGTCATGAAAGACCACATTGGAACAAAGAGTGCCGAG
CAAGGCCCTGGAGATGTCGAGGTTGCCACGTTCTCCCTGCAGGAGAAGAGCTACCTAAAGGCACATCTG
ACTTCCTGGGCCCTGGCCATTTTACCACTCGATACATCACTCAAAGGAAATATCCCTCCCACCAGGGGCC
CAGCTACCAGAAATGACCGTGACTTAGTGGAGCTTGTGGACCCCAACTGGCCAGAAATGGGATCCCATGG
CTCTATTCTGTGCCGTGGGGATTGAGGAGGCTTCAACTTTGCCAGACTCAGTACGGTGACCCCTCCA
TATATGTGACAGAAAGTGGAGCGCCCAAAAGTTACATTGCACTCAGTTCTGCGATGAGTGGAGAATCCA
GTACCTCAAAGGATACATCAATGAAATGTTAAAAGCTATAAAAAGATGGCGTGGATATAAAAGGGTATACT
TCCTGCTCTGTTGGATAAGTTTGAATGGGAGAAAGGCTATGCAGATAAATATGGATTCTACTATGTTG
AATTCAATGTGAGAAACAAGCCTCGCTATCCCAAGGCTTCTGTGAGTATTACAAGGAGATCATCACAGC
CAGTGGGTTCCAAACCCACAAGAGGTGAAAAGTTGGCGTCTCAAAGCCTTGAAACTTGCTCCATCAAC
AACAGATGCTTGCCACAGGAGACGTGGCTGAGACGGGATCTCCTCTCCACCTTCATCTGTCAAAGCATC
TCTTCAGGATCACTCTTCTTTCTGCTGCAGAAGTTCAGTGATGTCTATTTTTCAGGCTCTGAAAAT

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206199 representing BC030631
 Red=Cloning site Green=Tags(s)

MTRYFSDYADLCFEVFGDRVKHWLTFSDPRTMVEKGYETGLHAPGLRLQGTGLYVAAHHIIKAHAQAWHS
 YNNTWRSKQHGLVGISLNCDWGEPVDIDNPDDIEAAERYLQFCLGWANPIYAGDYPQVMKDHIGTKSAE
 QGLEMSRLPTFSLQEKSYLKGTSDFLGLGHFTTRYITQRKYPSHQGPSYQNDRLVELVDPNWPMPGSPW
 LYSVPWGFRRLLNFAQTQYGDPPYVVTESGAPQKLHCTQFCDEWRIQYLKGYINEMLKAIKDGVDIKGYT
 SWSLLDKFEWEKGYADKYGFYYVEFNVRNKPRYPKASVQYYKEIITASGFPNPQEVESWRLKALETCSIN
 NQMLATGDVAETGSPLHLHLKHLFRITLLFCCRSSRDVYFSGSEN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC030631

ORF Size: 1190 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

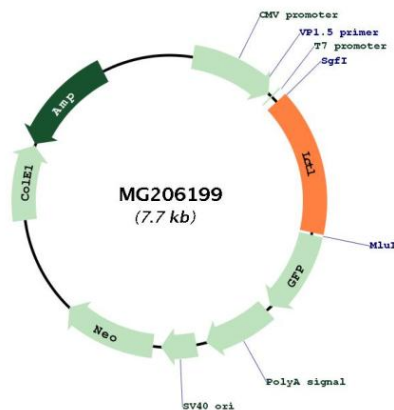
RefSeq ORF: 1190 bp

Locus ID: 235435

Cytogenetics: 9 C

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 MG206199