

Product datasheet for **MC225053**

Lct (NM_001081078) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lct (NM_001081078) Mouse Untagged Clone
Tag: Tag Free
Symbol: Lct
Synonyms: Gm100; LAC; LPH; Lphl
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC225053 representing NM_001081078
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGC**C

ATGGAGCTGCCTTGGACAGCACTCTTCCTCAGTACCTTCCTCCTGGGTCTTTCATGCCAGGGGAATGACT
 GGGAACTCTGACAGAAATTTTATTTTCAGTCTGCTGGTCTCTAACAATGACTTAGTGCACAATCTGAACCA
 TCCGCTGGGAAAGCAGGGCTCTGATTTGGTAGCTGGTGATACTGACATCTATGTCTGCCAGCAGCCACTG
 CCTCCTTCTTGCCCTCAGTACTTCAGCAGTCTTCGGGCCAGCCAGGTTACCCATTACAAAGTACTTCTGT
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 ACTCCTCCAGTCCCTGAAGGATGCCAGCTTCAGCCCATGGTGGTCTGTTCACCAGATGCCACCTACC
 AGCACCATCCAGAGAGACGGGGCTTTGCTGACCTCTTTGCTGATTATGCCACATTGGCTTTTCAGTCCT
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 GTGGAGCCCATGGCTACGCTGTTCCACTGGGACCTCCCCAGGCCCTGCAGGAGCAAGCGGGTGGCAGA



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ACGAGAGTGTGGTGGATGCCTTCTGGACTACGCCGCTTCTGCTTCTCCACCTTTGGGGACCGTGTGAA
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GCCATCTCTGACCCAGGAGTGGCTTCTTTAAGGTGGCTCACCTGATCCTCAAGGCGCATGCCAGAACTT
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GGCTACACCATGAGATTTGGATTGTATCACGTCGACTTTGATCATGTGAACAGACCTCGAACAGCAAGAG
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AATGAGCCCTTGTGATTGCGGCCACGGCTACGGCAGTGGGGTGTCTGCTCCAGGGATCTTTTCAGAC
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CAGCACATACCGTAACAGCCAGGAGGTGTGATCTCTATCACCATCAGCAGCAGTGGGCCGAGCCAGA
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TTGATGCCGATAGGGGAGTTGCTTCCATTACAGACCGCTCCTGGCCAGACTCTGGCTCCTTCTGGCTGAA

GATGACCCCTTTTGGCTTCCGGAGGATCTTGAACCTGGTTGAAGGAGGAGTACAACAACCCCTCTAATTTAT
 GTCACAGAGAATGGAGTGTCCCACGAGGAGACCCAGAACTCAATGACACCGACAGGATCTACTACCTCC
 GCAGCTACATTAATGAAGCCCTCAAAGCTGTACGAGATAAGGTGGACCTTCGAGGGTACACGGTCTGGAG
 CATCATGGACAACCTTTGAATGGGCCACAGGCTTCGCAGAGAGGTTGCGCGTGCACCTTTGTGAACCGCTCT
 GACCCTTCTTTGCCAAGGATCCCAAGGCGTCAGCCAAGGTCTACGCCTCCATAGTCCGCTGCAATGGCT
 TTCCTGACCCTGCACAAGGACCTCATCCTTGTCTCCAGCAACCAGAAGATGCTGGGCCACTGCCAGCCC
 TGTGAAGTCAGAGGTGCCCTTCTGGGGCTGATGCTGGGCACGGCAGAAGCACAGACGGCTCTGTATGTC
 CTCTTCGCTCTTGTGCTGCTGGAGTTTGCAGCGTGGCATTCTGTTATACAAATACTGCAAGCGCTCCA
 AGCAAGGGACAACACAGCCAGGCCACCACGGTCTGAGTCAAATTTCTTCCTTCTGA

AGCGGACCGACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-RsrII
- ACCN:** NM_001081078
- Insert Size:** 5796 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_001081078.2](#), [NP_001074547.1](#)
- RefSeq Size:** 6174 bp
- RefSeq ORF:** 5796 bp
- Locus ID:** 226413
- Cytogenetics:** 1 55.8 cM