

Product datasheet for **RR209712**

Lck (NM_001100709) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lck (NM_001100709) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lck
Synonyms:	Lck1; Lcktkr
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR209712 representing NM_001100709
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGCTGTGTCTGCAGCTCAAACCCGAAGTACTGGATGGAGAACATTGACGTGTGAAAACCTGCC
 ACTATCCCATAGTCCACTGGACAGCAAGAGTACGCTGCCCATCCGGACCGGCTCTGAAGTTCGGGACCC
 ACTGGTACCTATGAGGGCTCCCTCCACAGCCTCCCGCTGCAAGACAACCTAGTTATTGCCCTGCAC
 AGCTATGAGCCCTCCCATGATGGAGACTTGGGCTTTGAAAAGGGTGAACAGCTCCGAATCTGGAGCAGA
 GCGGTGAGTGGTGAAGGCTCAGTCCCTGACCACTGGCCAAGAAGGCTTCATCCCCTTCACTTCGTGGC
 GAAAGCAAACAGCCTGGAGCCTGAACCTTGGTTCTTCAAAAATCTGAGCCGTAAGGACGCCGAGCGGCAG
 CTTTTGGCGCCCGGAACACGCATGGATCCTTCTGATCCGGAAAGCGAAAGCACCGCCGGATCCTTTT
 CACTGTCAGTCAGAGACTTCGACCAGAACCAGGAGAAGTGGTGAACATTACAAGATCCGTAACCTAGA
 CAACGGTGGCTTCTACATCTCCCTCGTATCACTTTTCCGGACTACACGATCTGGTCCGCCATTACACC
 AACGCCTCTGATGGGCTGTGCACAAAATTGAGCCGTCCTTGCCAGACCCAGAAGCCCAAGAACCATGGT
 GGGAGGACGAATGGGAAGTTCCAGAGAGACATTGAAGTTGGTTGAGCGGCTGGGAGCTGGCCAGTTCGG
 GGAAGTGTGGATGGGATACTACAATGGACACACGAAGGTGGCAGTGAAAAGTCTGAAGCAAGGGAGTATG
 TCTCCTGATGCCTTCTGGCAGAGGCTAACCTCATGAAGCAGCTGCAGCACCCCGCGGCTCGTCCGGCTTT
 ATGCAGTGGTCACCCAGGAGCCCATCTACATTATCACAGAATACATGGAGAACGGGAGCCTAGTAGATTT
 CCTCAAGACTCCCTCGGGCATCAAGTTGAACGTCAACAACTTTTGGACATGGCAGCCAGATTGCAGAG
 GCATGGCGTTTCAAGAGCAGAATTACATCCATCGTACCTGCGGGCTGCCAACATCTGGTGTCTG
 ACACGCTGAGCTGCAAAATTGCAGACTTTGGCCTGGCACGTCTGATTGAGGACAATGAATACGCGCCCG
 GGAGGGGCCAAGTTTCCATTAAAGTGGACAGCACAGAAAGCCATTAACATATGGGACCTTTACCATCAAG
 TCAGATGTGTGGTCTTCCGGATCCTGCTGACAGAGATCGTCACCCATGGCCGGATCCCTTACCCAGGAA
 TGACCAACCTGAAGTATTGAGAACCTGGAAAAGGCTACCGAATGGTGCACCTGACAACCTGCCCGGA
 AGAGCTGTACCACCTCATGATGCTGTGCTGGAAGGAGCGCCAGAGGACAGGCCACGTTTGACTACCTT
 CGGAGCGTTCTGGATGACTTCTTACAGCCACAGAGGGCCAGTACCAGCCCCAGCCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR209712 representing NM_001100709
 Red=Cloning site Green=Tags(s)

MGCVCSSNPEDDWMENIDVCENCHYIPLDSKSTLPIRTGSEVRDPLVTYEGSLPPASPLQDNLVIALH
 SYEPSHDGDLGFEKGEQLRILEQSGEWWKAQSLTTGQEGFIPFNFVAKANSLEPEPWFFKNLSRKDAERQ
 LLAPGNTHGSFLIRESESTAGSFSLSVRDFDQNGEVVKHYKIRNLNNGGFYISPRITFPGLHDLVRHYT
 NASDGLCTKLSRPCQTQKPQKPPWWEDEWVPRETLKLVRLGAGQFGEVWVGYYNGHTKVAVKSLKQGS
 SPDAFLAEANLMKQLQHPRLVRLYAVVTQEPIYIITEYMENGLVDFLKTSPGIKLNVNKLDDMAAQIAE
 GMAFIEEQNYIHRDLRAANILVSDTLCKIADFLARLIEDNEYTAREGAKFPKWTAPEAINYGTFTIK
 SDVWSFGILLTEIVTHGRIPYPGMTNPEVIQNLKGYRMVRPDCPEELYHLMMLCWKERPEDRPTFDYL
 RSVLDDFFTATEGQYQPQP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

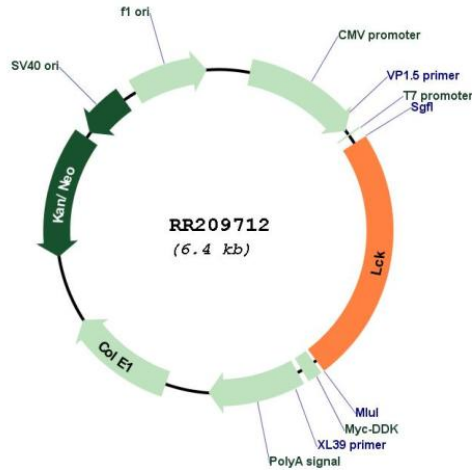
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001100709

ORF Size: 1527 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_001100709.1](#), [NP_001094179.1](#)

RefSeq Size: 1978 bp

RefSeq ORF: 1530 bp

Locus ID: 313050

UniProt ID: [Q01621](#)

Cytogenetics: 5q36

MW: 57.9 kDa

Gene Summary: mouse homolog is a kinase involved in activation-induced T cell death [RGD, Feb 2006]