

Product datasheet for **RR214443**

Lipc (NM_012597) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lipc (NM_012597) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lipc
Synonyms:	MGC108746
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR214443 representing NM_012597
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGGAAATCACCTCAAATCTCCGTTTCCTGGTGTGCATCTTTATCCAGTCAAGTGCCTGTGGAC
 AAGGCGTGGGAACAGAGCCCTTTGGGAGAAACCTTGGAGCTACTGAAGAAAGGAAACCGTTACAGAAGCC
 AGAGATCAGATTCTGCTCTTCAAAGATGAAAGTGACCGCCTGGGTTGTGAGCTCAGACCTCAGACCCCG
 GAAACTGCAGGAGTGTGGCTTCAACAGCTCCCATCCACTTGTGATGATCATCCACGGGTGGTCCGGTGG
 ATGGCTTGTAGAAACCTGGATCTGGAAGATAGTGGTGCCTGAAGTCCCGACAGTCCCAACCCGTGAA
 CGTGGGATTAGTGGACTGGATCTCCCTGGCATAACCAGCACTATGCTATTGCCGTGCGCAACACCCGTGT
 GTGGCCAGGAGGTGGCTGCTCTTCTCCTATGGCTGGAGGAATCTATGAAGTTTTCTCGGAGCAAAGTTC
 ACTTAATTGGGTACAGCCTGGGAGCACAGTTCAGGATTCGACAGCAGCTCCATGGGTGGGAAGCGCAA
 GATCGGAAGAATCACAGGCTGGACCTGCAGGACCTATGTTTGAGGGAACCTCCCAACGAGCGCCTT
 TCTCCAGATGATGCCAATTTTGTGGATGCTATTACATACCTTTACCAGGGAGCACATGGGTCTGAGTGTGG
 GCATCAAACAGCCCATGCCCACATGACTTCTACCCCAACGGGGCTCCTTCCAGCCTGGCTGCCACTT
 CCTGGAGCTCTACAAACACATTGCAGAGCATGGCTTAAATGCCATAACCCAGACCATCAAATGTGCCAT
 GAGCGTCTGTGCACCTTTCATTGACTCCTTGAACACAGCAACCTGCAGAACACAGGCTTCCAGTGCA
 GCAACATGGACAGCTTCACTCAGGCTATGTCTGAACTGCAAGAAGGGCCGTTGCAACAGTCTGGGCTA
 TGACATCCGACAGGATCGGCCACGCAAGAGCAAGACACTTCTCATCACCCGAGCCAGTCCCCCTTC
 AAAGTTTATCATTACCAGTTCAGATCCAGTTCATCAATCAAATGGAGAAGCCAATAGAGCCTACTTTTA
 CCATGACACTGCTGGGGCAAAAAGAAAATAAAGAAAATCCCATCACCTGGGCGAAGGAATACCAG
 CAATAAAACCTATTCTTACTTATCACACTGGACAAGACATCGGCGAGTTGATCATGCTCAAGTCAAG
 TGGGAAAACAGCGCAGTGTGGCCAATGTCTGGAACACAGTGCAGACCATAATGCTATGGACACAGAGC
 CTCACTACGCGGCCCTCATTCTGAAGACCATCTGGGTCAAAGCTGGAGAGACGACGAAAGAATGACATT
 TTGCCCTGATAATGTGGATGATCTCCAGCTTACCCACCCAGGAGAAAGTCTTCGTGAAATGTGACCTG
 AAGTCAAAGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR214443 representing NM_012597
 Red=Cloning site Green=Tags(s)

MGNHLQISVSLVLCIFIQSSACGQGVGTEPFGRNLGATEERKPLQKPEIRFLLFKDESDRLGCQLRPQHP
 ETLQECGFNSSHPLVMI IHGWSVDG LLETWIWKIVGALKSRQSQPVNVGLVDWISLAYQHAI AVRNRV
 VGQEVAAALLLWLEESMKFSRSKVHLIGYSLGAHVSGFAGSSMGGKRKIGRITGLDPAGPMFEGTSPNERL
 SPDDANFVDAIHTFTREHMGLSVG I KQPIAHYDFYPNGGSFQPGCHFLELYKHIAEHGLNAITQTIKCAH
 ERSVHLFIDSLQHSNLQNTGFQCSNMDSFSQGLCLNCKKGRCNLSGYDIRRDRPRKSKTLFLITRAQSPF
 KVVYHYQFKIQFINQMEKPIEPTFTMTLLGTKEEIKKIPITLGEGITSNKTYSLITLTKDIDGELIMLKFK
 WENSAVWVWNTVQTI MLWDTEPHYAGLILKTIWVKAGETQQRMTFCPDNVDDLQLHPTQEKVFKCDL
 KSKD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

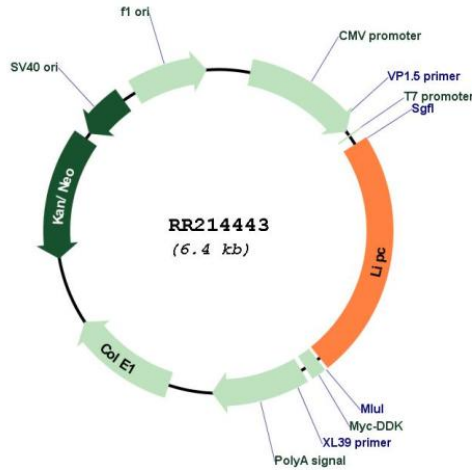
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_012597

ORF Size: 1482 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_012597.2](#), [NP_036729.2](#)

RefSeq Size: 1742 bp

RefSeq ORF: 1485 bp

Locus ID: 24538

Cytogenetics: 8q24

MW: 55.8 kDa

Gene Summary: enzyme involved in the hydrolysis of phospholipids, triglycerides and acyl CoA thioesters [RGD, Feb 2006]