

Product datasheet for **MR208201**

Lipc (NM_008280) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Lipc (NM_008280) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Lipc |
| Synonyms: | A1256194; HL; Hpl |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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ORF Nucleotide Sequence:

>MR208201 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGAAATCCCCTCAAATCTCCATTTCTGGTGTCTGCATCTTTATCCAATCAAGTCTTGTGGAC
 AAGGCGTGGGAACAGAGCCCTTTGGGAGAAGCCTTGGAGCTACTGAAGCTAGCAAGCCATTAAGAAGCC
 AGAGACCAGATTCTGCTCTTCCAAGATGAAAACGATCGCCTGGGCTGTCGTCTCAGACCTCAGACCCCG
 GAAACTGCAGGAGTGTGGCTTCAACAGCTCTCAGCCGTTATCATGATCATCCACGGGTGGTCGGTGG
 ATGGCTTGTAGAAAAGTGGATCTGGAAGATAGTGAGTGCCTGAAGTCCCAGAGTCCCAACCTGTGAA
 TGTGGGTTAGTGGACTGGATCTCCCTGGCATAACCAGCACTACACCATTGCTGTTCAAAACACCCGATT
 GTGGGCCAGGACGTGGCTGCTCTTCTCCTATGGCTGGAGGAATCTGCGAAGTTTTCTCGGAGCAAAGTTC
 ACCTAATTGGGTACAGCCTGGGAGCGCAGTCTCAGGGTTCGAGGCAGCTCCATGGACGGGAAGAACA
 GATTGGAAGAATCACAGGCTGGACCTCGGGCCCTATGTTTGAGGGAACGTCCCCAACGAGCGCCTT
 TCTCCTGATGATGCCAATTTTGTGGACGCCATTACACCTTTACCAGGGAGCACATGGGCTTGAGTGTGG
 GCATCAAGCAGCCATTGCCACTATGACTTCTACCCCAATGGGGCTCCTTCCAGCCTGGCTGCCACTT
 CCTGGAATCTACAAACACATTGCAGAGCATGGCTTAAACGCCATAACCCAGACCATCAAATGTGCCAT
 GAGCGCTCCGTGCACCTTTCATTGACTCCTTGAACACAGTGACCTGCAGAGCATCGGCTTCCAGTGCA
 GCGACATGGGCAGCTTACGCAAGGTCTATGCCTGAGCTGCAAGAAGGGCCGTTGCAACACTCTGGGTTA
 TGACATCCGCAAGGACCGGTGAGCAAGAGCAAGAGGCTCTTCTCATCACGCGAGCCAGTCTCCCTTC
 AAAGTTTATCATTACCAGTCAAGATCCAGTTCATCAATCAAATGAGAAGCCGGTAGAGCTACTTTTA
 CCATGTGCTGCTGGGAACAAAAGAAGAAATAAGAGAATTCCCATCACCTGGGCGAAGGAATTACCAG
 CAATAAAACCTATTCTTCTTATCACACTGGACAAGACATCGGCGAGTTGATCCTGCTCAAGTTCAG
 TGGGAAAACAGTGCAGTGTGGGCAATGTGTGGAACACAGTGCAGACCATCATGCTATGGGCATAGAAC
 CTCACCACTCTGGCCTCATTCTGAAGACCATCTGGGTCAAAGCTGGAGAGACGCAGCAAAGAATGACATT
 TTGCCCGAAAACTGGATGACCTCCAGCTTACCCGAGCCAGGAGAAAGTCTTTGTGAAGTGTGAAGTG
 AAGTCAAAAAGACTGACTGAATCGAAAGAGCAGATGAGTCAAGAGACCCATGCAAAAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208201 protein sequence
 Red=Cloning site Green=Tags(s)

MGNPLQISIFLVFCIFIQSSACGQGVGTEPFGRSLGATEASKPLKPKPETRFLLFQDENDRLGCRLRPQHP
 ETLQECGFNSSQPLIMI IHGWSVDGLLENWIWKIVSALKSRQSQPVNVLVDWISLAYQHYTIAVQNTRI
 VGQDVAALLLWLEESAKFSRSKVHLIGYSLGAHVSGFAGSSMDGKNKIGRITGLDPAGPMFEGTSPNERL
 SPDDANFVDAIHTFTREHMGLSVGKIQPIAHYDFYPNGGSFPQPGCHFLELYKHIAEHGLNAITQTIKCAH
 ERSVHLFIDSLQHSDLQSIGFQCSDMGSFSQGLCLSCKKGRCNTLGYDIRKDRSGKSKRFLITRAQSPF
 KVVHYQFKIQFINQIEKPVEPTFTMSLLGTKEEIKRIPITLGEIGITSNKTYSFLITLDDKIDIGELILLKFK
 WENSAVWVWNTVQTIMLWGIEPHHSLILKTIWVKAGETQQRMTFCPENLDDLQLHPSQEKVFNVECF
 KSKRLTESKEQMSQETHAKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_008280

ORF Size: 1533 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_008280.2](#), [NP_032306.2](#)

RefSeq Size: 1934 bp

RefSeq ORF: 1533 bp

Locus ID: 15450

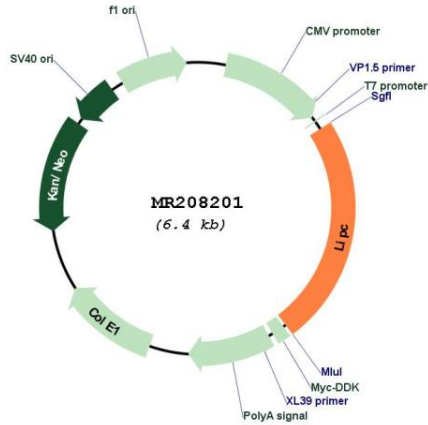
UniProt ID: [P27656](#)

Cytogenetics: 9 39.57 cM

MW: 57.4 kDa

Gene Summary: Hepatic lipase has the capacity to catalyze hydrolysis of phospholipids, mono-, di-, and triglycerides, and acyl-CoA thioesters. It is an important enzyme in HDL metabolism. Hepatic lipase binds heparin.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208201