

Product datasheet for **SC120025**

LIPC (NM_000236) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LIPC (NM_000236) Human Untagged Clone
Tag:	Tag Free
Symbol:	LIPC
Synonyms:	HDLCQ12; HL; HTGL; LIPH
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF sequence for NM_000236 edited
 GCTCGTTTAGTGAACCGTCAGAAATTTGTAATACGACTCACTATAGGGCGGCCGCGGTGA
 AACGGAGAAATGGACACAAGTCCCCTGTGTTTCTCCATTCTGTTGGTTTTATGCATCTTT
 ATCCAATCAAGTGCCCTTGGACAAAGCCTGAAACCAGAGCCATTTGGAAGAAGAGCTCAA
 GCTGTTGAAACAAAACAAACGCTGCATGAGATGAAGACCAGATTCTGCTCTTTGGAGAA
 ACCAATCAGGGCTGTGAGATTGCAATCAATCATCCGGACACGTTACAGGAGTGCGGCTTC
 AACTCCTCCCTGCCTCTGGTGATGATAATCCACGGGTGGTGGTGACGGCGGTAGAA
 AACTGGATCTGGCAGATGGTGGCCGCGTGAAGTCTCAGCCGGCCAGCCAGTGAACGTC
 GGGCTGGTGGACTGGATCACCTGGCCACGACCACTACACCATCGCCGTCGCAACACC
 CGCCTTGTGGCAAGGAGGTGCGGGCTCTTCTCCGGTGGCTGGAGGAATCTGTTCAACTC
 TCTCGAAGCCATGTTACCTAATTGGGTACAGCCTGGGTGCACACGTGTCAGGATTTGCC
 GGCAGTTCATCGGTGGAACGCACAAGATTGGGAGAATCACAGGGCTGGATGCCCGGGA
 CCTTTGTTGAGGGAAGTCCCCAGCAATCGTCTTTCTCCAGATGATGCCAGTTTGTG
 GATGCCATTCATACCTTTACCCGGGAGCACATGGGCTGAGCGTGGGCATCAAACAGCCC
 ATAGGACACTATGACTTCTATCCCAACGGGGCTCCTTCCAGCCTGGCTGCCACTTCCTA
 GAGCTCTACAGACATATTGCCACAGCAGCTTCAATGCCATCACCCAGACCATAAAATGC
 TCCCACGAGCGATCGGTGCACCTTTTCATCGACTCCTTGCTGCACGCCGCGCACGAGAGC
 ATGGCCTACCCGTGTGGTGACATGAACAGCTTCAGCCAGGGCCTGTGCCTGAGCTGCAAG
 AAGGGCCGCTGCAACACGCTGGGCTACCACGTCCGCCAGGAGCCGCGGAGCAAGACAA
 AGGCTCTTCTCGTAACGCGAGCCAGTCCCCCTTCAAAGTTTATCATTACCAGTTAAAG
 ATCCAGTTCATCAACAACTGAGACGCCAATACAAACAACTTTTACCATGCTACTACTC
 GGAACAAAAGAGAAAAATGCAGAAAAATCCCATCACTCTGGGCAAAGGAATTGCTAGTAAT
 AAAACGTATTCTTTCTTATCACGCTGGATGTGGATATCGGCGAGCTGATCATGATCAAG
 TTCAAGTGGGAAAACAGTGCAGTGTGGCCAATGTCTGGGACACGGTCCAGACCATCATC
 CCATGGAGCACAGGGCCGCGCCACTCAGGCCTCGTTCTGAAGACGATCAGAGTCAAAGCA
 GGAGAAAACCCAGCAAAGAATGACATTTTGTTCAGAAAACACAGATGACCTACTACTTCGC
 CCAACCCAGGAAAAATCTTCTGTAATGTGAAATAAAGTCTAAAACATCAAAGCGAAAG
 ATCAGATGAGATTTAATGAAGACCCAGTGTAAAGAATAAATGAATCTTACTCCTTAAAAA
 AAAAAAAAAAAAAAAAAAAAACTCGACTCTAGATTGCGGCCGCGGTGATAGCTGTTTCT
 GAACAGATCCCGGTGGCATCCCTGTGACCCCTCCCAGTGCCTCTCCTGGCCCTGGA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_000236 unedited
 NAAGTTCACATTTGTATACGACTCACTATAGGGCGGCCGCGGTGAACGGNANAATGGNCAC
 AAGTCCCCTGTGTTTCTCCATTCTGTTGGTTTTATGCATCTTTATCCAATCAAGTGCCCT
 TGGACAAAGCCTGAAACCAGAGCCATTTGGAAGAAGAGCTCAAGTGTGAAACAAACAA
 AACGCTGCATGAGATGAAGACCAGATTCTGCTCTTTGGAGAAACCAATCAGGGCTGTCA
 GATTCGAATCAATCATCCGGACACGTTACAGGAGTGCGGCTTCAACTCCTCCCTGCCTCT
 GGTGATGATAATCCACGGTGGTGGTGGACGGGTGCTAGAAAACCTGGATCTGGCAGAT
 GGTGGCCGCGCTGAAGTCTCAGCCGGCCAGCCAGTGAACGTGGGGCTGGTGGACTGGAT
 CACCCTGGCCACGACCACTACACCATCGCCGTCGCAACACCCGCTTGTGGCAAGGA
 GGTGCGGGCTCTTCTCCGGTGGTGGAGGAATCTGTTCAACTCTCTCGAAGCCATGTTCA
 CCTAATTGGGTACAGCCTGGGTGCACACGTGTCAGGATTTGCCGGCAGTTCATCGGTGG
 AACGCACAAGATTGGGAGAATCACAGGGCTGGATGCCCGGGACCTTTGTTGAGGGAAG
 TGCCCCAGCAATCGTCTTTCTCCAGATGATGCCAGTTTGTGGATGCCATTCATACCTT
 TACCCGGGAGCACATGGGCTNGAGCGTGGGCATCAAACAGCCCATAGGACACTATGACT
 TCTATCCCAACGGGGCTCCTTCCAGCCTGGCTGCCACTTCTTAGAGCTTACAGACATA
 TTGCCACGACGGCTTTCATGCCATCACCCAGACCATAAATGCTCCACGAGCGATCGGTG
 CACCTTTTCATCGACTCCTTGTGGCACGCCGC

Restriction Sites: NotI-NotI
ACCN: NM_000236

Insert Size:	1650 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:	<ol style="list-style-type: none">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_000236.1 , NP_000227.1
RefSeq Size:	1603 bp
RefSeq ORF:	1500 bp
Locus ID:	3990
UniProt ID:	P11150
Cytogenetics:	15q21.3
Domains:	lipase, PLAT
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Glycerolipid metabolism, Metabolic pathways
Gene Summary:	LIPC encodes hepatic triglyceride lipase, which is expressed in liver. LIPC has the dual functions of triglyceride hydrolase and ligand/bridging factor for receptor-mediated lipoprotein uptake. [provided by RefSeq, Jul 2008]