

Product datasheet for **SC116369**

LIPG (NM_006033) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LIPG (NM_006033) Human Untagged Clone
Tag:	Tag Free
Symbol:	LIPG
Synonyms:	EDL; EL; PRO719
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 within SC116369 sequence for NM_006033 edited (data generated by NextGen Sequencing)

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ATGAGCAACTCCGTTCTCTGCTCTGTTTCTGGAGCCTCTGCTATTGCTTTGCTGCGGGG
AGCCCCGTACCTTTTGGTCCAGAGGGACGGCTGGAAGATAAGCTCCACAAACCCAAAGCT
ACACAGACTGAGGTCAAACCATCTGTGAGGTTTAACTCCGCACCTCCAAGGACCCAGAG
CATGAAGGATGCTACCTCTCCGTCGGCCACAGCCCTTAGAAGACTGCAGTTTCAAC
ATGACAGCTAAAACCTTTTTTCATCATTACGGATGACGATGAGCGGTATCTTTGAAAA
TGGCTGCACAAACTCGTGTGAGCCCTGCACACAAGAGAGAAAGACGCCAATGTAGTTGTG
GTTGACTGGCTCCCCCTGGCCACCAGCTTACACGGATGCGGTCAATAATACCAGGGTG
GTGGGACACAGCATTGCCAGGATGCTCGACTGGCTGCAGGAGAAGGACGATTTTTCTCTC
GGGAATGTCCACTTGATCGGCTACAGCCTCGGAGCGCACGTGGCCGGGTATGCAGGCAAC
TTCGTGAAAGGAACGGTGGGCCGAATCACAGGTTTGGATCCTGCCGGGCCATGTTTGAA
GGGGCCGACATCCACAAGAGGCTCTCTCCGGACGATGCAGATTTTGTGGATGCTCCTCAC
ACCTACACGCGTTCTTCCGGCTTGAGCATTGGTATTAGATGCCTGTGGCCACATTGAC
ATCTACCCCAATGGGGGTGACTTCCAGCCAGGCTGTGGACTCAACGATGTCTTGGGATCA
ATTGCATATGGAACAATCACAGAGGTGGTAAAAATGTGAGCATGAGCGAGCCGTCCACCTC
TTTGTTGACTCTCTGGTGAATCAGGACAAGCCGAGTTTTGCCTTCCAGTGCACTGACTCC
AATCGCTTCAAAAAGGGGATCTGTCTGAGCTGCCGAAGAACCCTTGTAAATAGCATTGGC
TACAATGCCAAGAAAAATGAGGAACAAGAGGAACAGCAAAATGTACCTAAAAACCCGGCA
GGCATGCCTTTCAGAGTTTACCATTATCAGATGAAAAATCCATGTCTTTCAGTTACAAGAAC
ATGGGAGAAAATGAGCCACCTTTTACGTCACCTTTATGGCACTAATGCAGATTTCCAG
ACTCTGCCACTGGAAATAGTGGAGCGGATCGAGCAGAATGCCACCAACACCTTCTGGTC
TACACCGAGGAGGACTTGGGAGACCTCTTGAAGATCCAGCTACCTGGGAGGGGGCTCT
CAGTCTTGGTACAACCTGTGGAAGGAGTTTCGCAGCTACCTGTCTCAACCCCGCAACCCC
GGACGGGAGCTGAATATCAGGCGCATCCGGGTGAAGTCTGGGAAACCCAGCGGAAACTG
ACATTTTGTACAGAAGACCCTGAGAACACCAGCATATCCCAGGCCGGGAGCTCTGGTTT
CGCAAGTGTGGGATGGCTGGAGGATGAAAAACGAAACAGTCCCACTGTGGAGCTTCCC
TGA
    
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Clone variation with respect to NM_006033.2

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_006033 unedited
GTATTTTGTATACGACTCACTATAGGGCGGCNCGGATTCCGGCACGAGGGAAACCAAN
AGGTGGTTTTTGTTTTTTAAAACCTTCTGTTTCTTGGGAGGGGGTGTGGCGGGCAGGATG
AGCAACTCCGTTCTCTGCTCTGTTTCTGGAGCCTCTGCTATTGCTTTGCTGCGGGGAGC
CCCGTACCTTTTGGTCCAGAGGGACGGCTGGAAGATAAGCTCCACAAACCCAAAGCTACA
CAGACTGAGGTCAAACCATCTGTGAGGTTTAACTCCGCACCTCCAAGGACCCAGAGCAT
GAAGGATGCTACCTCTCCGTCGGCCACAGCCAGCCCTTAGAAGACTGCAGTTTCAACATG
ACAGCTAAAACCTTTTTTCATCATTACGGATGACGATGAGCGGTATCTTTGAAAACCTGG
CTGCACAAACTCGTGTGAGCCCTGCACACAAGAGAGAAAGACGCCAATGTAGTTGTGGTT
GACTGGCTCCCCCTGGCCACCAGCTTACACGGATGCGGTCAATAATACCAGGGTGGTG
GGACACAGCATTGCCAGGATGCTCGACTGGCTGCAGGAGAAGGACGATTTTTCTCTCGGG
AATGTCCACTTGATCGGCTACAGCCTCGGAGCGCACGTGGCCGGGTATGCAGGCAACTTC
GTGAAAGGAACGGTGGGCCGAATCACAGGTTTGGATCCTGCCGGGCCATGTTTGAAAGGG
GCCGACATCCACAAGAGGCTCTCTCCGGACGATGCAGATTTTGTGGATGCTCCTCCACACC
TACACGCTTCTTCCGGCTTGGATGATTGATTAGATGCTGTGGGCCACATTGACATC
TACCCCATGGGGGTGACTTCCAGCCAGCTGTGGACTCAACGATGTCTTGGNGATCAAT
TGCATATGGAACCATCACAGNAGTGGGTAATGTGAGCATGAGCGAGCCGTCCACCTCTT
TGTGACTTTGG
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_006033 unedited TGTACGCGCCGCATCTATAGTCGGTTTTTTTTTTTTTTTTTTTTTTTTTTGAACTTTATAATTTT TTATTATTTTACTATTTAAAATTTAATCTTGAAATTGGTTAACCTTAGGTAAACACTAA CCATATTTTTTATATACATTATATACACGAGAAATAAATAGTCTTCAAATAGCATTTT TAAAAAGCATCATTATACAATTAAGGCTTCAAGCCAGGTGTATAATATACTCA CTGAGAATTCAATTTGCAAAGCTTCCATTAGTAAAAACAGAAGTCAGAAGTGACCAGGAT GTACAGCCAATAATATGGGTTGAGCAACCCTAATCCAAAAATCCAAAAATCCGAAATGCTC CAAAAATCCAAAACTTTTTGAGCACCAACAAGACAAAAAATGGGAAAACCCCTCACATAAG TTACCACAAACCATGCTTCATGTACACAATTTAAAAATATCGTATAAAATTACCTCA GGCTATGTGGATAAGGTGCAACTGACACATCAATGAATTTTGTGTTAGGCTCGGGTCT ATTCCAAAAATCTCATTATGTATATGCAAACATTCCAAAAATCTGGAAATAATCTAAAA TTTGAACACTTCTGGCCCAAGGCTTTTGGATAAGGGATACTCGACTGTACAAGCTTGG GTTTGGCTGTAAAGCATGGCCGAACCAGGAGAAGCCCCCATGGGGCTGAGAACTTTTCG GGGAAAAAGAATGAACTGGAGTTGGTGTGTGGAAGTGGTACTGGATGAGACTGTGGGA CGACGTGTATGAAACAGGGGGCTGGGAAAACGTGAAGTCCCGTAAAAAGTTAGCCAGCC CACCGACCGATGTTTTCCATTCCGCGCTGCGGTGAGCGTCTGTCTAGGTTGTCNTCGGT GGCTNCGATCGCTAGAGACCTGTTGCGAGTTGCGCCTTCTAGCTTACCATCCCACCTTA CCATCTCCCCCGCTCCCACTCTTATTGTGTATAGTGTGCTC
Restriction Sites:	NotI-NotI
ACCN:	NM_006033
Insert Size:	1503 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_006033.2 , NP_006024.1
RefSeq Size:	4143 bp
RefSeq ORF:	1503 bp
Locus ID:	9388
UniProt ID:	Q9Y5X9
Cytogenetics:	18q21.1
Domains:	lipase, PLAT

Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: Glycerolipid metabolism, Metabolic pathways

Gene Summary: The protein encoded by this gene has substantial phospholipase activity and may be involved in lipoprotein metabolism and vascular biology. This protein is designated a member of the TG lipase family by its sequence and characteristic lid region which provides substrate specificity for enzymes of the TG lipase family. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).