

Product datasheet for **RN215136**

Lipg (NM_001012741) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lipg (NM_001012741) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Lipg
Synonyms:	lipase
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN215136 representing NM_001012741
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGAGACCCGGTTTTCTGCTCGGCTTCTGGAGCCTCTATTGTGCTTCCCGCGGGAAGTCTCACAA
CCTTACGTCCCCAGGGTTCGCTGCGAGATGAGCACCATAAACCCACCGGAGTACCAGTTACCATTACCAC
CAAACCTCGGTGACTTTTAACATCCGCACTTCTAAGGACCCAGAGCACGAAGGGTGAATCTCTCCCTT
GGTGACAGCAAACCTTAGAAAAGTGGCTTCAACATGACAGCCAAAACCTTCTTCATCATTATGGAT
GGACGATGAGTGGCATGTTTAAAGCTGGCTGCATAAACTCGTGTGAGCCCTGCAGACGAGAGAGAAAGA
GGCAAACGTAGTGGTGGTGGTGGCTGCCCTGGCTCACCAGCTGTACATAGATGCCGTGAGTAACACC
AGAGTGGTGGGACGTAGAGTGGTGGGATGCTAACTGGCTGCAGGAGAAGGGAGAGTTTTCTCTGGGG
ATGTTCACTTGATTGGCTACAGCCTGGGAGCACACGTGGCTGGATACGCTGGCACTTTGTGAAGGGAAC
AGTGGGACAGGATCACTGGATTGGATCCCGCCGGACCCATGTTTGAAGGGTGGACATCAACAGGAGGCTG
TCCCCGGACGATGCGGACTTTGTGGATGTCTGCATACCTACACGCTGTCTTTGGCTTGAGCATTGGGA
TTCGGATGCCCGTGGTACATTGACATCTATCCAATGGTGGTACTTCCAGCCCGGCTGCGGATTCAA
CGATGTGATGGGATCTTTCGCGTATGGAACAATCTCAGAGATGGTGAATGTGAGCACGAGCGAGCCGTA
CACCTCTTTGTCGATTCTCTGGTGAATCAGGACAAGCCGAGCTTCGCTTCCAGTGCACGGACCCCAACC
GCTTCAAAGGGGCATTTGTCTCAGCTGCAGGAAGAACCCTTGTAAACAACATTGGCTACAATGCTAAGAA
AATGAGAAAGAAGAGAAATAGCAAGATGATTTAAAAACCCGGGCGGCATGCCTTTCAGAGTTTACCAT
TATCAGCTGAAAGTTCACATGTTCTCTTACAAGAACAGCGGAGACATCCAGCCCGACCTTACATTACCC
TGATGGTAGCAACCGAGACTCCAGAACCTGCCCTTGGAGATCGTGGAGAAGATTGAGCTGAATGCCAC
AAACACCTTCTGGTCTACACTGAGGAGTACTTGGGTGATCTCTCAAGATCAGACTTACCTGGGAGGGA
GTATCCAGTTCCTGGTACAACCTGTGGAATGAGTTTCGTAGCTACCTGTACAACCCAGCAGCCCTCGA
GGGAGCTGCACATCCGACGAATCCGTGTCAAGTCTGGGAAACCCAGCGAAAAGTGGCATTTCGCTTCA
AGACCCTATGAAGAATAGCATCTCCCTGGCCAGGAGCTGTGGTTTTACAAGTGCAGAATGACTGTAGA
GTGAAAAACTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001012741

Insert Size: 1482 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:

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_001012741.1](#), [NP_001012759.1](#)

RefSeq Size: 1641 bp

RefSeq ORF: 1482 bp

Locus ID: 291437

UniProt ID: [Q8VBX1](#)

Cytogenetics: 18q12.2

Gene Summary: Has phospholipase and triglyceride lipase activities. Hydrolyzes high density lipoproteins (HDL) more efficiently than other lipoproteins. Binds heparin (By similarity).[UniProtKB/Swiss-Prot Function]