

Product datasheet for **RR215136**

Lipg (NM_001012741) Rat Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>RR215136 representing NM_001012741
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGAGACCCGGTTTTCTGCTCGGCTTCTGGAGCCTCTATTGTGCTTCCCGCGGGAAGTCTCACAA
 CCTTACGTCGCCAGGGTTCGCTGCGAGATGAGCACCATAAACCCACCGGAGTACCAGTTACCATTACCAC
 CAAACCTCGGTGACTTTTAACATCCGCACTTCTAAGGACCCAGAGCACGAAGGGTGAATCTCTCCCTT
 GGTGACAGCAAACCTTAGAAAAGTGTGGCTTCAACATGACAGCCAAAACCTTCTTCATCATTATGGAT
 GGACGATGAGTGGCATGTTTAAAGCTGGCTGCATAAACTCGTGTGAGCCTGCAGACGAGAGAGAAAGA
 GGCAAACGTAGTGGTGGTGGTGGCTGCCCTGGCTCACCAGCTGTACATAGATGCCGTGAGTAACACC
 AGAGTGGTGGGACGTAGAGTGGTGGGATGCTAACTGGCTGCAGGAGAAGGGAGAGTTTTCTCTGGGG
 ATGTTCACTTGATTGGCTACAGCCTGGGAGCACACGTGGCTGGATACGCTGGCACTTTGTGAAGGGAAC
 AGTGGGACAGGATCACTGGATTGGATCCCGCCGGACCCATGTTTGAAGGGTGGACATCAACAGGAGGCTG
 TCCCCGGACGATCGCGACTTTGTGGATGCTCTGCATACCTACACGCTGTCTTTGGCTTGAGCATTGGGA
 TTCGGATGCCCGTGGGTACATTGACATCTATCCAATGGTGGTACTTCCAGCCCGGCTGCGGATTCAA
 CGATGTCATGGGATCTTTCGCGTATGGAACAATCTCAGAGATGGTAAAATGTGAGCACGAGCGAGCCGTA
 CACCTCTTTGTCGATTCTCTGGTGAATCAGGACAAGCCGAGCTTCGCTTCCAGTGCACGGACCCCAACC
 GCTTCAAAGGGGCATTTGTCTCAGCTGCAGGAAGAACCCTTGTAAACAACATTGGCTACAATGCTAAGAA
 AATGAGAAAGAAGAGAAATAGCAAGATGATTTAAAAACCCGGGCGGCATGCCTTTCAGAGTTTACCAT
 TATCAGCTGAAAGTTCACATGTTCTCTTACAAGAACAGCGGAGACATCCAGCCCGACCTTACATTACCC
 TGTATGGTAGCAACGCAGACTCCAGAACCTGCCCTGGAGATCGTGGAGAAGATTGAGCTGAATGCCAC
 AAACACCTTCTGGTCTACACTGAGGAGTACTTGGGTGATCTCTCAAGATCAGACTTACCTGGGAGGGA
 GTATCCAGTTCCTGGTACAACCTGTGGAATGAGTTTCGTAGCTACCTGTACAACCCAGCAGCCCTCGA
 GGGAGCTGCACATCCGACGAATCCGTGTCAAGTCTGGGAAACCCAGCGAAAAGTGGCATTTCGCTTCA
 AGACCCTATGAAGAATAGCATCTCCCTGGCCAGGAGCTGTGTTTTACAAGTGCAGAATGACTGTAGA
 GTGAAAAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR215136 representing NM_001012741
 Red=Cloning site Green=Tags(s)

MRDPVFLLGFWSLYCCFPAGSLTTLRPQGSLRDEHHKPTGVPVTITTKPSVTFNIRTSKDPEHEGCNLSL
 GDSKLLENCGFNMTAKTFFIIHGWTMSGMFESWLHKLVSALQTREKEANVVVDWVLAHQLYIDAVSNT
 RVVRRVAGMLNWLQEKGEFSLGDVHLIGYSLGAHVAGYAGNFVKGTVGRITGLDPAGPMFEGVDINRRL
 SPDDADFVDVLHTYTL SFGLSIGIRMPVGHIDIYPNGGDFQPGCGFNDVMGSAFYGTISEMVKCEHERAV
 HLFVDSL VNQDKPSFAFQCTDPNRFKRGICLSCRKNRCNNIGYNAKMRKRNSKMYLKRAGMPFRVYH
 YQLKVHMF SYKNSGDIQPDLYITLYGSNADSNLPLEIVEKIELNATNTFLVYTEEYLGDLFKIRLTWEG
 VSSSWYNLWNEFRSYLSQPSSPSRELHIRRIRVKSGETQRKVAFCVQDPMKNSISPGQELWFKCQNDRC
 VKN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

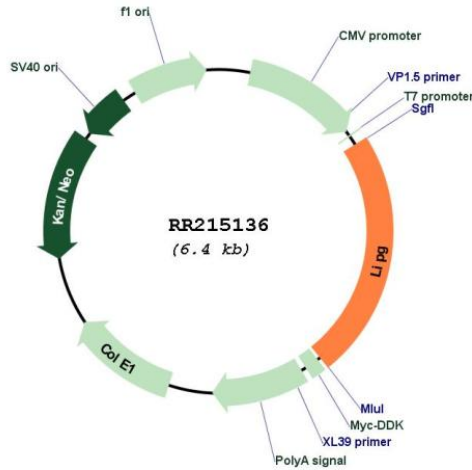
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001012741

ORF Size: 1479 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:	<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:	<u>NM_001012741.1, NP_001012759.1</u>
RefSeq Size:	1641 bp
RefSeq ORF:	1482 bp
Locus ID:	291437
UniProt ID:	<u>Q8VBX1</u>
Cytogenetics:	18q12.2
MW:	55.9 kDa
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]