

## Product datasheet for **RR214675**

### Lipa (NM\_012732) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Lipa (NM\_012732) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Lipa  
**Synonyms:** Chole; Chole2; LAL; Lip1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR214675 representing NM\_012732  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCAACTGCTAGGCCGGGTGATCTGTTTCGTCGTTGGGATCCTGCTTTCTGGGGCCCAACGGGGACCA  
 TATCAGCTGTGGACCCTGAAGCAAACATGAATGTGACTGAGATAATCATGCACTGGGATATCCTGGCGA  
 AGAGCACTCAGTACAGACAGGAGATGGCTACATTTCTGGGTGTTCCACCGAATCCCGCATGGCGGAAGAAC  
 CAGTTTGTATAAAGTCCCAAACAGTTGTGTATCTTCAGCATGGCTTCTGGCAGATTCTAGTAACCTGGG  
 TCACAAACATTGACAACAACAGCCTGGGCTTCATCCTGGCAGATGCTGGCTTTGATGTGTGGATGGGAAA  
 CAGCAGAGGAAACACCTGGTCTCGGAAGCACAAGACTCTGTCACTTTCTCAGGATGAATACTGGGCCTTC  
 AGTTTTGATGAGATGGCAAAATATGACCTCCCTGCTTCAATTAACATACATTTTGAATAAACTGGCCAAG  
 AACAGCTGTATTATGTGGGCCACTCTCAAGGCTGCACCATAGGTTTTATAGCATTTTACAGATGCCTGA  
 ACTGGCAAAGAAGGTTAAATGTTTTTGGCCCTGGCTCCTGTGTGTCTCAATTTTGTTCGGGCCCG  
 ATGGTCAAATGGGACGTTGCCGGATCTGCTTCTTGAGGACTGTTTGGGCAGAAGCAATTTCTTCCTC  
 AGAGTGAATGGTAAATGGCTAAGCACTCACATTTGCACGCACGTCATCATGAAGGAGCTTTGCCCAA  
 CATCTTCTTTCTGATATGTGGCTTCAATGAGAAGAATTTAAACATGTCTAGAGTGGATGTGTATACAACA  
 CACTGTCTGCGGGAACCTCTGTGCAAAACATGGTACACTGGACCCAGGTTGTTAAATACCATAAGCTTC  
 AAGCTTTTACTGGGGAAGCAGTGACAAGAATTTTTCATTACAATCAGAGTTATCCACCCTTGTACAG  
 CATAAAAGACATGCAACTACCCACTGCTTATGGAGCGGGGGCAAGGACTGGCTGGCAGACACCAGTGAC  
 ATCAATATCTTACTGACTGAAATCCCCACGTTAGTGTACCACAAGAACATTCCCGAGTGGGACCATCTGG  
 ATTTTATCTGGGTTTGGATGCCCTGGAGGCTGTATAATGAAGTAGTCAGTCTAATGAAGAAATACCA  
 G

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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<b>ORF Size:</b>	1191 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_012732.3</a> , <a href="#">NP_036864.3</a>
<b>RefSeq Size:</b>	3230 bp
<b>RefSeq ORF:</b>	1194 bp
<b>Locus ID:</b>	25055
<b>Cytogenetics:</b>	1q53
<b>MW:</b>	45.1 kDa
<b>Gene Summary:</b>	hydrolase that is involved in intracellular degradation of cholesteryl esters and triglycerides; mutation in gene causes Wolman's disease [RGD, Feb 2006]