

## Product datasheet for **RN212947**

### Ldlr (NM\_175762) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ldlr (NM_175762) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ldlr
Synonyms:	LDLRA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >RN212947 representing NM\_175762  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGCACCGCGGATCTGATGCTACGCTGGGCCATCGCCCTGCTCCTGGTGCTGCTGGAGTTGCAGCAG  
 AAGATTCATGTGGCAAGAACGAGTTCAGTGTAGAGACGGAAAAATGCATCGTCAGCAAGTGGGTGTGTGA  
 CGGCAGCCCGAGTGCCTGGATGGCTCCGATGAGTCCCCTGAGACATGCATGTCTGTACCTGTCTGATCC  
 GGTGAGTTCAGCTGTGGAGGCCGCTCAGCCGATGCATTCCTGACTCCTGGAGATGTGATGGGCGGACCG  
 ACTGTGAAAAATGGCTCGGATGAACTAGACTGCTCCCCAAGACGTGCTCCTGGATGAGTTCGCTGCCA  
 GGATGGCAAGTGCATCTCCCGCAGTGTGTGTGACCAAGACTGGGATTGCCTGGATGGCTCTGACGAG  
 GCCCACTGTGCGGCCACCACTTGTGGCCCTGCTCACTTCCGCTGCAACTCCTCTTCTGCATCCCCAGCC  
 TGTGGCCTGCGACGGGACCGGACTGTGACGATGGCTCCGATGAGTGGCCGAGAAGTCCGGGGCCGA  
 AGACACGGCCGCTGAGGTGGTCAAGCCCTGCTCCTCCTCGATTCCACTGTGGCAGTGTGAGTGT  
 ATCCATCGCAGCTGGGTCTGTGACGGTGGCGCTGACTGCAAGGACAAGTCCGACGAGGAGAACTGCCGCG  
 TGACCACCTGCCGACCTGACGAATTCAGTGTGCAGATGGCTCCTGTATTACCGTAGCCGCCAGTGTGA  
 CCGTGAACATGACTGCAAGACATGAGCGACGAGCTTGGCTGCATCAATGTGACCCAGTGCATGGCCCT  
 AACAAATCAAGTGCACAGTGGGGAGTGCATCAGCTTGGACAAGGTGTGCAACTCCGCCGGGACTGTC  
 GTGACTGGTGGATGAGCCCATCAAGGAGTGAAGACCAACGAGTGTGGACAACAATGGTGGCTGTTC  
 CCACATCTGCAAGGACCTCAAGATTGGCTATGAGTGCCTATGTCCAGCGGTTCCGGTGGTGGACGGC  
 CACCAGTGAAGATATTGACGAGTGTGAGGACCCAGACACCTGCAGCCAGCTCTGTGTGAACCTGGAGG  
 GCAGCTCAAGTCCGAGTGTGCGGCCGCTTCCACATGGACCTCACACCAGGGTCTGCAAGGCTGGGG  
 TTCCATAGGGTTTCTGCTTCCCAACCGCCATGAGGTACGTAAGATGACCTGGACCCGACCGCAGCGAT  
 ACCAGCCTGATCCCCAACCTGAAGAATGTGGTGGCGCTGGACACTGAGGTGGCCAACAATAGAATTTACT  
 GGTCTGACCTGTCCAGAGAAAGATCTACAGCGCCGTGATGGACCAGGGCACCAGCTTGTCTATGATGC  
 CATCATCAGTGGGACCTGCACGCCCTGACGGGCTGGCGGTAGACTGGATCCATGGCAACATCTACTGG  
 ACGGATTCAGTTCGGGCACTGTTCCGTGGCTGACACCAAGGGTGTGAGGAGGAGAACTCTGTTCCGAG  
 AGAAAGGTCCAGACCCAGAGCCATCGTAGTGGACCTGTGCATGGCTTCATGTACTGGACAGATTGGGG  
 GACACCTGCCAAGATCAAGAAAGGGGTTGAATGGTGTAGACATCTACTCTGTTGACCGAGGACATC  
 CAGTGGCCAAATGGCATCACACTAGATCTCCAGTGGCCGCTCTATTGGGTTGATTCCAACTCCACT  
 CCATCTCCAGCATCGATGTCAATGGGGTGGTCCGAAAACCATTTTGGAGGATGAGAAGCAGCTAGCTCA  
 CCCCTTCTCCTGGCCATCTATGAGGACAAAGTGTATTGGACAGATGTCTTAAATGAAGCCATTTTCACT  
 GCCAACCGCCTCACGGGTTCCAGATGTGAATTTGGTGGTAAAAACCTCATGTCCCGGAGGACATTGTCC  
 TGTTCACAACGTACGCAGCCTAGAGGGGTAACCTGGTGTGAGGCAACGGTTCTCCCCAACGGTGGCTG  
 CCAGTACATGTGCTGCTGCCCTCAGATCAGTGCCCACTCACCAAGTTCACCTGCGCTTGGCCCTGAT  
 GGTATGCTACTGGCCAAGGACATGAGGAGCTGCCTCCAGAAAGTGCACACTGTACCGACCCAGGGGA  
 CATCCACCATTTGGCCTGTGGTACCACATCAGCTGCTGTGTACTGAAGCGCAAGGAGGATCCCTCAGC  
 TACTAGGCACAAGGAGGATCCCTCAGCTACTAGGCACAATGAGGATCCCTCAGCTACCAGCACCTTAGG  
 CAGCCTGGGGATACCCAGAGCTCAGCACAGTGGAGTGGTGGACAGTGTCTCCCAAGTCCAAGGTGACA  
 TGCTGGCAGAGGGGACGAGGTGCACGGCACGGTGTGGGGTTCTGTCCATCTTCTCCCATTGCACT  
 GGTGGCCCTCCTGTCTCGAGCCATCCTCCTGTGGAGAACTGGCGGCTGAGGAACATTAACAGCATA  
 AACTTTGACAACCCAGTCTACCAGAAGACCACGGAGGACGAGATCCACATTTGCCGACCCAGGATGGCT  
 ATACCTACCCCTCGAGACAGATGGTCAAGCTGGAGGATGATGTGGCA**TGA**

**ACGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja2142\\_e09.zip](https://cdn.origene.com/chromatograms/ja2142_e09.zip)

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_175762

<b>Insert Size:</b>	2640 bp
<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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></p>
<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_175762.2</a> , <a href="#">NP_786938.1</a>
<b>RefSeq Size:</b>	3037 bp
<b>RefSeq ORF:</b>	2640 bp
<b>Locus ID:</b>	300438
<b>UniProt ID:</b>	<a href="#">P35952</a>
<b>Cytogenetics:</b>	8q13
<b>Gene Summary:</b>	Binds LDL, the major cholesterol-carrying lipoprotein of plasma, and transports it into cells by endocytosis. In order to be internalized, the receptor-ligand complexes must first cluster into clathrin-coated pits.[UniProtKB/Swiss-Prot Function]