

## Product datasheet for **MC228983**

### Ldlr (NM\_001252658) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ldlr (NM_001252658) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ldlr
Synonyms:	Hlb301
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC228983 representing NM\_001252658  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAGCACCGCGGATCTGATGCGTCGCTGGGTCATCGCCCTGCTCCTGGTGCTGCCGGAGTTGCAGCAG  
 AAGACTCATGCAGCAGGAACGAGTTCAGTGTAGAGACGGAAAAATGCATCGCTAGCAAGTGGGTGTGCGA  
 TGGCAGCCCCGAGTGCCCGGATGGCTCCGATGAGTCCCCAGAGACATGCATGTCTGTACCTGTCACTGTC  
 AATCAATTCAGCTGTGGAGGCCGTGTCAGCCGATGCATTCCTGACTCCTGGAGATGTGATGGACAGGTAG  
 ACTGTGAAAAATGACTCAGACGAACAAGGCTGTCCCCCAAGACGTGCTCCAGGATGACTCCGATGCCA  
 GGATGGCAAGTGCATCTCCCGCAGTGTGTGTGATGGAGACCGAGATTGCCTAGATGGCTCTGATGAG  
 GCCCACTGCCAGGCCACCACTTTGTGCCCGCCCACTTCCGCTGCAACTCATCCATATGCATCCCCAGTC  
 TTTGGCCTGCGACGGGGATGTCGACTGTGTTGACGGCTCCGATGAGTGGCCACAGAAGTCCAGGGCCG  
 AGACACGGCCTCAAAGGCGTTAGCAGCCCTGCTCCTCCTGGAGTTCCTACTGTGGTAGCAGTGTGATGT  
 ATCCATCGCAGCTGGGTCTGTGACGGCGAGGCAGACTGCAAGGACAAGTCAGATGAGGAGCACTGCCGCG  
 TGGCCACCTGCCGACCTGATGAATTCAGTGTGCAGATGGCTCCTGCATTCACGGTAGCCGCCAGTGTGA  
 CCGTGAACATGACTGCAAGGACATGAGCGACGAGCTCGGCTGCGTCAATGTGACACAGTGTGATGGCCCC  
 AACAAAGTCAAGTGTACAGTGGGGAGTGCATCAGCTTGGACAAGGTGTGCGACTCCGCCCGGACTGCC  
 AGGACTGGTCGGATGAGCCCATCAAGGAGTGAAGACCAACGAGTGTGGACAACAATGGTGGCTGTTCC  
 CCACATCTGCAAGGACCTCAAGATTGGCTCTGAGTGCCTGTGCCAGCGGCTCCGGTGGTGGACCTC  
 CACAGGTGTGAAGATATTGACGAGTGTGAGGACCCAGACACCTGCAGCCAGCTGTGTGAACTGGAAG  
 GCAGTACAAGTGTGAGTGCCAGGCCGCTTCCACATGGACCCACACACCAGGGTGTGCAAGGCTGTGGG  
 CTCCATAGGCTATCTGCTCTTACCAACCGCCACGAGGTCCGGAAGATGACCCTGGACCCGACCGAGTAC  
 ACCAGTCTGCTCCCAACCTGAAGAATGTGGTGGCTCTCGACACGGAGGTGACCAACAATAGAATCTACT  
 GGTCCGACCTGTCCAAAAAAGATCTACAGCGCCTGATGGACCAGGCCCTAACTTGTCTACGACAC  
 CATCATCAGTGGGACCTGCATGCCCTGACGGGCTGGCGGTAGACTGGATCCACCGCAACATCTACTGG  
 ACAGATTCAGTCCAGGCAGCGTATCTGTGGTGCACCAAGGGCGTAAAGAGGAGGACTGTTCCAAG  
 AGGCAGGGTCCAGACCCAGGCCATCGTAGTGGACCTGTGCATGGCTTCATGTACTGGACAGATTGGGG  
 AACACCCGCCAAGATCAAGAAAGGGGGTTGAATGGTGTGGACATCCACTCACTGGTACCAGAAACATC  
 CAGTGGCCAAATGGCATCACACTAGATCTTCCAGTGGCCGTCTCTATTGGGTTGATTCCAACTCCACT  
 CTATCTCCAGCATCGATGTCATGGGGCAATCGGAAAACCATTTTGGAGGATGAGAACCGCTGGCCCA  
 CCCCTTCTCCTTGGCCATCTATGAGGACAAAGTGTATTGGACAGATGTCATAAACGAAGCCATTTTCACT  
 GCCAATCGACTCACGGGTTGAGATGTGAATTTGGTGGTGAACCTCTTGTCCCGGAGGACATTGTCC  
 TGTTCCACAAGGTACACAGCCTAGAGAAGTCGACACTGTACTGACCACCCAGGGGACATCCGCCGTCCG  
 GCCTGTGGTCACCGCATCAGTACCAGGCCACCGAAGCACAGTGGAGTCTCTCAGTCCAGTACTCCT  
 AGGCAGCCTGTGGACACCCAGGGCTCAGCACAGTGGCGTCAGTGCAGTGTCCACCAAGTCCAGGGTG  
 ACATGGCTGGCAGAGGGAATGAGGAGCAGCCACATGGTATGAGGTTCTGTCCATCTTCTCCCTATTGC  
 ACTGGTTGCCCTCCTTGTCTTGGGCGGCTCCTGCTGTGGAGGAACTGGCGGCTGAAGAACATCAACAGC  
 ATAAACTTTGACAACCCAGTCTACCAGAAGACCACAGAGGACGAGCTCCACATTTGCCGAAGCCAGGATG  
 GCTATACCTACCCTCAAGACAGATGGTCAACCTGGAGGACGATGTGGCA**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001252658  
**Insert Size:** 2433 bp

<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>	<u>NM_001252658.1</u> , <u>NP_001239587.1</u>
<b>RefSeq Size:</b>	4393 bp
<b>RefSeq ORF:</b>	2433 bp
<b>Locus ID:</b>	16835
<b>UniProt ID:</b>	<u>P35951</u>
<b>Cytogenetics:</b>	9 7.87 cM
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an in-frame exon in the 3' coding region, compared to variant 1. This results in a shorter protein (isoform 2), compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>