

Product datasheet for **MG210998**

Ldlr (NM_010700) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ldlr (NM_010700) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ldlr
Synonyms:	Hlb301
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG210998 representing NM_010700
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCACCGCGGATCTGATGCGTCGCTGGGTCATCGCCCTGCTCCTGGTGCTGCCGGAGTTGCAGCAG
 AAGACTCATGCAGCAGGAACGAGTTCAGTGTAGAGACGGAAAAATGCATCGCTAGCAAGTGGGTGTGCGA
 TGGCAGCCCCGAGTGCCCGGATGGCTCCGATGAGTCCCCAGAGACATGCATGTCTGTACCTGTCACTGCC
 AATCAATTCAGCTGTGGAGGCCGTGTCAGCCGATGCATTCCTGACTCCTGGAGATGTGATGGACAGGTAG
 ACTGTGAAAAATGACTCAGACGAACAAGGCTGTCCCCCAAGACGTGCTCCAGGATGACTCCGATGCCA
 GGATGGCAAGTGCATCTCCCGCAGTGTGTGTGATGGAGACCGAGATTGCCTAGATGGCTCTGATGAG
 GCCCACTGCCAGGCCACCACTTGTGGCCCCGCCACTTCCGCTGCAACTCATCCATATGCATCCCCAGTC
 TTTGGCCTCGCAGCGGGATGTCGACTGTGTTGACGGCTCCGATGAGTGGCCACAGAAGTCCAGGGCCG
 AGACACGGCCTCAAAGGCGTTAGCAGCCCTGCTCCTCCTGGAGTTCCTACTGTGGTAGCAGTGTGT
 ATCCATCGCAGCTGGGTCTGTGACGGCGAGGCAGACTGCAAGGACAAGTCAGATGAGGAGCACTGCCGCG
 TGGCCACCTGCCGACCTGATGAATTCAGTGTGCAGATGGCTCCTGCATTCACGGTAGCCGCCAGTGTGA
 CCGTGAACATGACTGCAAGGACATGAGCGACGAGCTCGGCTGCGTCAATGTGACACAGTGTGATGGCCCC
 AACAAGTTCAGTGTACAGTGGGGAGTGCATCAGCTTGGACAAGGTGTGCGACTCCGCCCGCAGCTGCC
 AGGACTGGTCCGATGAGCCCATCAAGGAGTGAAGACCAACGAGTGTGGACAACAATGGTGGCTGTTCC
 CCACATCTGCAAGGACCTCAAGATTGGCTCTGAGTGCCTGTGTCCAGCGGCTTCCGGTGGTGGACCTC
 CACAGGTGTGAAGATATTGACGAGTGTGAGGAGCCAGACACCTGCAGCCAGCTCTGTGTGAACCTGGAAG
 GCAGTACAAGTGTGAGTGCCAGGCGGCTTCCACATGGACCCACACACCAGGGTCTGCAAGGCTGTGGG
 CTCCATAGGCTATCTGCTCTTACCAACCGCCACGAGGTCGGGAAGATGACCTGGACCCGACCGCAGGTAC
 ACCAGTCTGCTCCCCAACCTGAAGAATGTGGTGGCTCTCGACACGGAGGTGACCAACAATAGAATCTACT
 GGTCCGACCTGTCCAAAAAAGATCTACAGCGCCCTGATGGACCAGGCCCTAACTTGTCTACGACAC
 CATCATCAGTGGGACCTGCATGCCCTGACGGGCTGGCGGTAGACTGGATCCACCGCAACATCTACTGG
 ACAGATTCAGTCCAGGCAGCGTATCTGTGGTGCACCAAGGGCGTAAAGAGGAGGACACTGTTCCAAG
 AGGCAGGGTCCAGACCCAGAGCCATCGTAGTGGACCTGTGCATGGCTTCATGTACTGGACAGATTGGGG
 AACACCCGCCAAGATCAAGAAAGGGGTTTGAATGGTGTGGACATCCACTCACTGGTGACCGAAAACATC
 CAGTGGCCAAATGGCATCACACTAGATCTTCCAGTGGCCGTCTCTATTGGGTTGATTCCAACTCCACT
 CTATCTCCAGCATCGATGTCAATGGGGCAATCGGAAAACCATTTTGGAGGATGAGAACCGCTGGCCCA
 CCCCTTCTCCTGGCCATCTATGAGGACAAAGTGTATTGGACAGATGTCATAAACGAAGCCATTTTCAGT
 GCCAATCGACTCACGGGTTCCAGATGTGAATTTGGTGGTGAAAACCTCTTGTCCCCGGAGGACATTGTCC
 TGTTCCACAAGGTCACACAGCCTAGAGGGGTGAACTGGTGTGAGACAACAGCCCTCCTCCCCAATGGTGG
 TTGCCAGTACCTGTGCCTGCCCGCCCCACAGATCGGTCCCCACTCGCCCAAAATTCACCTGCGCCTGCCCT
 GATGGCATGTGCTGGCCAAGGACATGCGGAGCTGCCTCACAGAAGTCGACACTGTAAGTACCACCCAGG
 GGACATCCGCGCTCCGGCCTGTGGTACCAGCATCAGTACCAGGCCACCGAAGCAGAGTGGATCTCTC
 AGCTCCCAGTACTCCTAGGCAGCCTGTGGACACCCAGGGCTCAGCACAGTGGCGTCACTGACAGTGTCC
 CACCAAGTCCAGGTGACATGGCTGGCAGAGGGAATGAGGAGCAGCCACATGGTATGAGGTTCTGTCCA
 TCTTCTCCCTATTGCACTGGTTGCCCTCCTTGTCTTGGGGCCGTCTGCTGTGGAGGAACTGGCGGCT
 GAAGAACATCAACAGCATAAACTTTGACAACCCAGTCTACCAGAAGACCAGAGGACGAGCTCCACATT
 TGCCGAAGCCAGGATGGCTATACCTACCCTCAAGACAGATGGTCAAGCAGCTGGAGGACGATGTGGCA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

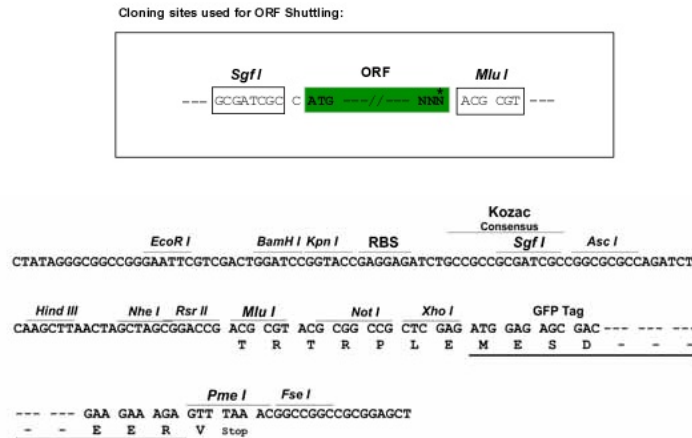
Protein Sequence: >MG210998 representing NM_010700
Red=Cloning site Green=Tags(s)

```
MSTADLMRRWVIALLLAAGVAAEDSCSRNEFQCRDGKCIASKWVCDGSPECPDGSDESPETCMSVTCQS
NQFSCGGRVSRICIPDSWRCDGQVDCENDSDEQGCPPKTC SQDDFRCQDGKCI SPQFVCDGDRDCLDGSDE
AHCQATTCPAHFRCNSSICIPSLWACDGDVDCVDGSDEWPQNCQGRDTASKGVSSPCSSLEFHCGSSEC
IHRSWCDGEADCKDKSDEEHCAVATCRPDEFQCADGSCIHGSRQCDREHDKDMSDELGCVNVTQCDGP
NKFCHSGECISLTKVCD SARDQDWSDEPIKECKTNECLDNNGGC SHICKDLKIGSECLCPSGFRLVDL
HRCEDIDECQEPDTC SQLCVNLEGSYKCECQAGFHMDPHTRVCKAVG SIGYLLFTNRHEVRKMTLDRSEY
TSLLPNLKNVVALDTEVTNNRIYWSDL SQKKIYSALMDQAPNLSYDTII SEDLHAPDGLAVDWIHRNIYW
TDSVPGSVSVADTKGVRRTLFQEAGSRPRAIVVDPVHGFMWTDWGTPAKIKKGLNGVDIHS LVTENI
QWPNGITLDLSSGRLYWVDSKLHSISSIDVNGGNRKTILEDENRLAHPFSLAIYEDKVYWTDVINEAIFS
ANRLTGSVDNLVAENLLSPEDIVLFHKVTQPRGVNWCETTALLPNGGCQYLCLPAPQIGPHSPKFTCACP
DGMLLAKDMRSCLEVDTVLTTQGTSAVRPVVTASATRPPKHSEDL SAPSTPRQPVDTPGLSTVASVTVS
HQVQGD MAGRGNEEQPHGMRFLSIFFPIALVALLV LGAVLLWRNWRLKNINSINF DNPVYQKTTEDELHI
CRSQDGYTYSRQMVSL EDDVA
```

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_010700

ORF Size: 2586 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:

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_010700.3](#)

RefSeq Size: 4531 bp

RefSeq ORF: 2589 bp

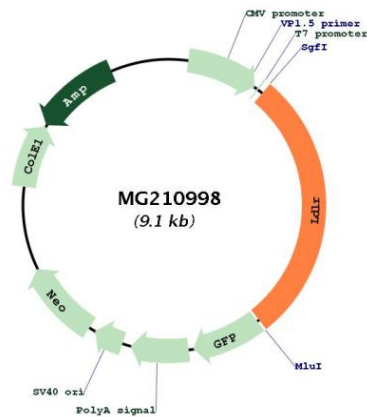
Locus ID: 16835

UniProt ID: [P35951](#)

Cytogenetics: 9 7.87 cM

Gene Summary: 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]

Product images:



Circular map for MG210998