

Product datasheet for **MG226657**

Vldlr (NM_013703) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vldlr (NM_013703) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Vldlr
Synonyms:	AA408956; AI451093; AW047288
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

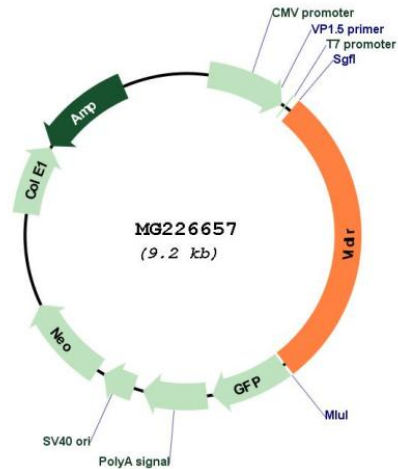
>MG226657 representing NM_013703
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCACGTCCGCGCTGGGCGCTGTGGCTGCTGCTCGCGCTGTGCTGGGCGCCCCGGGACAGCGGGC
 CCACTGCAAGCGGAAGAAGCCAAATGTGATAGCTCCAGTTTCAGTGACAAAATGGCCGCTGCATTAC
 CCTGCTGTGAAAATGTGATGGAGATGAAGACTGTGCGGATGGCAGCGACGAGAAGAACTGTGTAAGAAG
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 AATCAGCTGTGGCGCCGTTCTACTCAGTGTATCCCCGTGCTCTGGAGATGCGATGGTGAATGATTGT
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 AAGGGACTTCAGCTGCCTGGGCCATCCTTCTCTCTTGTCTTAGTGTGAGCAGCAGTAGGTGGCTACTT
 GATGTGGAGGAATTGGCAACATAAAAACATGAAAAGCATGAACTTTGACAATCCTGTGACTTGAAGACC
 ACTGAAGAGGACCTGTCGATAGACATTGGTAGACACAGCGCTTCTGTAGGACACACATACCAGCAATAT
 CAGTTGTAAGCACAGATGATGATCTGGCT

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Plasmid Map:



ACCN: NM_013703

ORF Size: 2619 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_013703.2](#), [NP_038731.2](#)

RefSeq Size: 8327 bp

RefSeq ORF: 2622 bp

Locus ID: 22359

UniProt ID: [P98156](#)

Cytogenetics: 19 21.77 cM

Gene Summary: Binds VLDL and transports it into cells by endocytosis. In order to be internalized, the receptor-ligand complexes must first cluster into clathrin-coated pits. Binding to Reelin induces tyrosine phosphorylation of Dab1 and modulation of Tau phosphorylation. [UniProtKB/Swiss-Prot Function]