

Product datasheet for **MR210931**

Vldlr (NM_001161420) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vldlr (NM_001161420) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Vldlr
Synonyms:	AA408956; AI451093; AW047288
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR210931 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCACGTCCGCGCTGGGCGCTGTGGCTGCTGCTCGCGCTGTGCTGGGCGCCCCGGGACAGCGGGC
 CCACTGCAAGCGGAAGAAGCCAAATGTGATAGCTCCAGTTTCAGTGACAAAATGGCCCTGCATTAC
 CCTGCTGTGAAATGTGATGGAGATGAAGACTGTGCGGATGGCAGCGACGAGAAGAACTGTGTAAGAAG
 ACGTGTGCTGAGTCTGACTTCGTGTGCAAAAACGGCCAGTGTGTTCTAACAGATGGCAGTGTGACGGG
 ATCCTGATTGCGAAGACGGTTCTGATGAAAGCCCTGAACAGTGCCATATGAGAACATGCCGATAAATGA
 AATCAGCTGTGGCGCCGTTCTACTCAGTGTATCCCCGTGCTCTGGAGATGCGATGGTAAAATGATTGT
 GACAATGGAGAAGATGAAGAAAACCTGTGGCAACATAACATGTAGTGCAGATGAGTTCCTTGCTCCAGTG
 GCCGCTGCGTCTCCAGAAACTTTGTGTCAATGGCCAGGATGACTGTGACGATGGCAGTGTGAGCTGGA
 CTGTGCTCCACCAACCTGCGGAGCCACGAGTTCAGTGCAGCACCTCTTCTGCATTCCCCTCAGCTGG
 GTGTGTGATGATGACGCAGACTGTTAGACCAATCAGACGAGTCTTGGAGCAGTGTGGCGTCCAGCTG
 TGATACATACCAATGTCTACCACTGAGATCCAGTGTGGCTCTGGCGAGTGCATTACAAAAAATGGCG
 GTGTGACGGAGACCCTGACTGCAAGGACGGCAGCGATGAGGTCAACTGCCCTTCTCGAACCTGCCGACCT
 GACCAGTTTGAATGTGAAGATGGTAGCTGTATCCACGGCAGCAGGCAATGCAATGGCATCCGAGACTGTG
 TTGATGGCTCTGATGAAGTCAACTGCAAAAACGTCATCAGTGCCTGGGCCCTGGAAAGTTCAAGTGCAG
 AAGCGGGGAATGCATAGACATGAGCAAAGTATGTGACCAGGAACAAGACTGCAGAGACTGGAGTGCAGG
 CCCCTGAAGGAATGCCATATCAACGAATGCCTGGTCAATAATGGTGGCTGTTCCCATATGCAAAAGACC
 TAGTTATAGTTATGAGTGTGATTGTGACGCTGGGTTTGAAGTGCATAGATAGGAAAACCTGTGGAGAT
 TGATGAATGCCAAAACCGGGGATCTGCAGTCAAATTTGTATCAACTTAAAAGGCGGTTACAAGTGTGAA
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 AAGGCCATCTTCACTGCTCAATTGATGACAAGGTTGGTAGACATTTTAAAATGATCGACAATGTCTATA
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 TTCAGTAGCTACCCTAGACGGAGCCAAGAGGAAGTTCTGTTAATTCTGACTTGCAGAGCCTGCCTCC
 ATAGCTGTGGATCCGTTGTCGGGCTTTGTTACTGGTCAGACTGGGGCGAGCCAGCTAAAAATAGAAAAAG
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 GGTCAAGATCGTAGGATAGTGTCAAGTCTCTGGAGTTCCTAGCTCATCCTCTTGCACTCACCATATTTG
 AGGATCGCGTCTACTGGATAGATGGAGAAAATGAAGCAGTGTACGGTGCCAATAAATTCCTGGGTCAGA
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 GGCAACATAAAAAACATGAAAAGCATGAACTTTGACAATCCTGTGTACTTGAAGACCACTGAAGAGACCT
 GTCGATAGACATTGGTAGACACAGCGCTTCTGTAGGACACACATACCCAGCAATATCAGTTGTAAGCACA
 GATGATGATCTGGCT

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210931 protein sequence
 Red=Cloning site Green=Tags(s)

MGTSARWALWLLALCWAPRDSGATASGKKAKCDSSQFQCTNGRCITLLWKCDGDEDCADGSDEKNCVKK
 TCAESDFVCKNGQCVPNRWQCDGDPDCEDGSDESPEQCHMRTCRINEISCGARSTQCIPVSWRCDGENDC
 DNGEDEENCGNITCSADEF TCSSGRCVSRNFVFCNGQDDCDDGSDELDCAPPTCGAHEFCSTSSCIPLSW
 VCDDADDCSDQSDLESLEQCGRQPVIIHTKCP TSEIQCGSGECIHKKWRCDGDPDCDKDGSDEVNCP SRTC
 DQFCECDGSCIHGSRQCNGIRDCVDGSDDEVNCKNVNQCLGPGKFKCRSGECIDMSKVCDQEQDCRDWSD
 PLKECHINECLVNNGGCSHICKDLVIGYECDAAGFELIDRKT CGDIDECQNP GICSQICINLKG GYKCE
 CSRGYQMDLATGVCKAVGKEPSLIFTNRRDIRKIGLERKEYIQLVEQLRNTVALDADIAAQKLFWADLSQ
 KAIF SASIDDKVGRHF KMIDNVYNPAAIAVDWVYKTIYWTDAASKTISVATLDGAKR KFLFNSDLREPAS
 IAVDPLSGFVYWSDWGEPAKIEKAGMNGFDRRPLVTE DIQWPNGITL DLVKSRLYWLDSLHMLSSVDLN
 GQDRRIVLKSLEFLAHLAL TIFEDRVY WIDGENEAVYGANKFTGSELATLVNNL NDAQDIIVYHEL VQP
 SGKNWCEDDMENGGCEYLCLPAPQINDHSPKYTCSCPNGYNLEENGRECQRINVT TAVSEVSVPPKGTSA
 AWAILPLLLL VMAAVGGYLMWRNWQHKNM KSMNF DNPVYLKTTEEDLSIDIGRHSASVGH TYP AISV VST
 DDDLA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

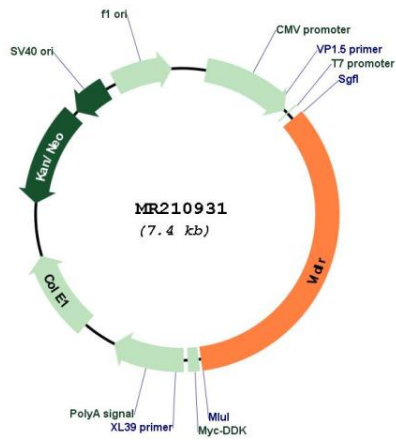
Sgfl-MluI

Cloning Scheme:



ACCN:	NM_001161420
ORF Size:	2535 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:	<ol style="list-style-type: none">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_001161420.1 , NP_001154892.1
RefSeq Size:	8243 bp
RefSeq ORF:	2538 bp
Locus ID:	22359
UniProt ID:	P98156
Cytogenetics:	19 21.77 cM
MW:	93.5 kDa
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]

Product images:



Circular map for MR210931