*h*VLDLR VersaClone cDNA

Catalog Number: RDC0981

Specifications:

Gene:	*h*VLDLR
Accession:	NP_003374
Insert size:	2635bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

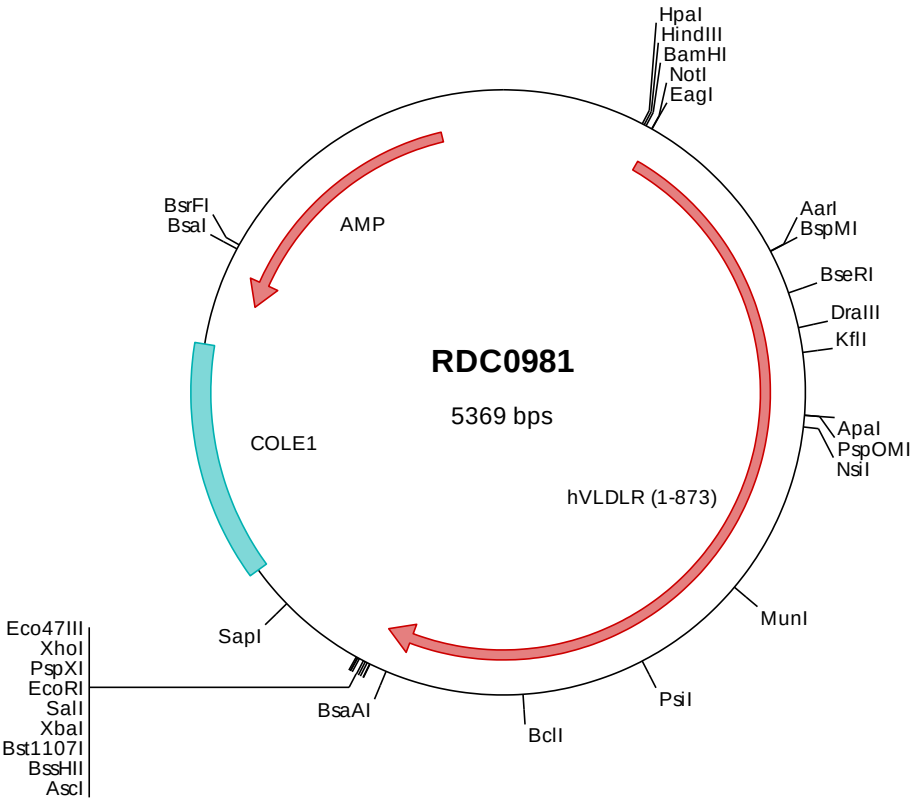
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*VLDLR cDNA Plasmid

VLDLR very low density lipoprotein receptor [*Homo sapiens* (human)]

Also known as: CARMQ1; CHRMQ1; VLDLRCH

Summary:
VLDLR is a member of the low density lipoprotein receptor (LDLR) gene family, consisting of cell surface proteins involved in receptor-mediated endocytosis of specific ligands. VLDLR plays important roles in VLDL-triglyceride metabolism and the reelin signaling pathway. Mutations in this gene cause VLDLR-associated cerebellar hypoplasia. Alternatively spliced transcripts encoding different proteins have been described.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC0981 Plasmid DNA Sequence

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 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
 401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atgggcacgt ccgcgctctg ggcgctctgg ctgctgctcg cgctgtgctg
 501  ggcgccccgg gagagcggcg ccaccggaac cgggagaaaa gccaaatgtg aaccctccca attccagtgc acaaatggtc gctgttattac gctgtttgtgg
 601  aaatgtgatg gggatgaaga ctgtgttgac ggcagtgatg aaaagaactg tgtaaagaag acgtgtgctg aatctgactt cgtgtgcaac aatggccagt
 701  gtgttcccag ccgatggaag tgtgatggag atcctgactg cgaagatggt tcagatgaaa gcccagcaca gtgccatatg agaacatgcc gcatacatga
 801  aatcagctgt ggcgcccatt ctactcagtg tatcccagtg tcctggagat gtgatggtga aaatgattgt gacagtggag aagatgaaga aaactgtggc
 901  aatataacat gtagtcccga cgagttcacc tgctccagtg gccgctgcat ctccaggaac tttgtatgca atggccagga tgactgcagc gatggcagtg
1001  atgagctgga ctgtgccccg ccaacctgtg gcgcccatga gttccagtgc agcacctcct cctgcatccc catcagctgg gtatgcgacg atgatgcaga
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1801  atcaggaaga ttggcttaga gaggaaagaa tatatccaac tagttgaaca gctaagaaac actgtggctc tcgatgctga cattgctgcc cagaaactat
1901  tctgggccga tctaagccaa aaggctatct tcagtgcctc aattgatgac aaggttggta gacatgttaa aatgatcgac aatgtctata atcctgcagc
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2301  tgattctaag ttgcacatgt tatccagcgt ggacttgaat ggccaagatc gtaggatagt actaaagtct ctggagttcc tagctcatcc tcttgcacta
2401  acaatatttg aggatcgtgt ctactggata gatggggaaa atgaagcagt ctatggtgcc aataaattca ctggatcaga gctagccact ctagtcaaca
2501  acctgaatga tgcccaagac atcattgtct atcatgaact tgtacagcca tcaggtaaaa attggtgtga agaagacatg gagaatggag gatgtgaata
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3001  agacacagtg cttctgttgg acacacgtac ccagcaatat cagttgtaag cacagatgat gatctagctt aaaggcgcgc cagtatactc tagagtcgac
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3201  tacgagccgg aagcataaag tgtaaagcct ggggtgccta atgagtgagc taactcacat taattgcgtt gcgctcactg cccgctttcc agtcgggaaa
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> RDC0981 Translated Insert Sequence

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 201  stsscipisw vcdddadcsd qsdesleqcg rqpvihtkcp aseiqcgsge cihkkwrcdg dpdckdgsde vncpsrtcrp dqfecedgsc ihgsrqcngi
 301  rdcvdgsdev ncknvnqclg pgkfkcrsge cidiskvcnq eqdcrdwsde plkechinec lvnnggcshi ckdlvigyec dcaagfelid rktcgdidec
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 701  sgknwceedm enggceylcl papqindhsp kytcscpsgy nveengrdcq stattvtyse tkdtntteis atsglvpggi nvttavsevs vppkgtsaaw
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