*m*ILDR2 VersaClone cDNA

Catalog Number: RDC2641

Specifications:

Gene:	*m*Ildr2
Accession:	NP_001158000
Insert size:	1999bp
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

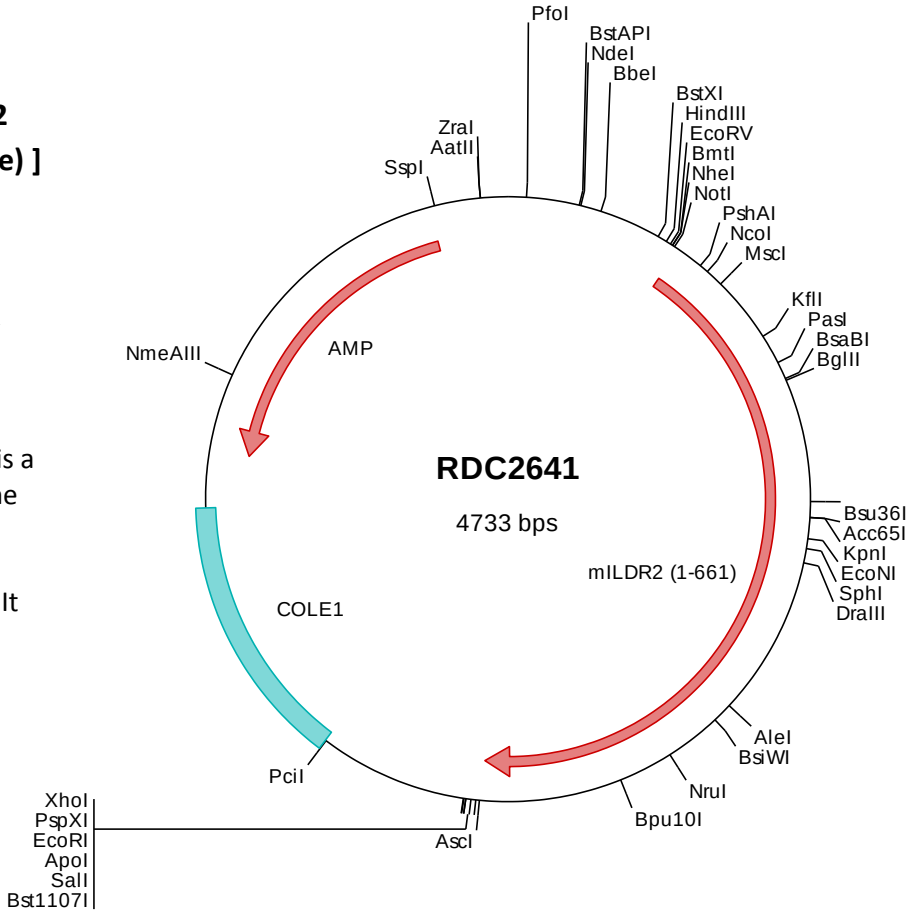
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*m*ILDR2 cDNA Plasmid

Ildr2 immunoglobulin-like domain containing receptor 2 [*Mus musculus* (house mouse)]

Also known as: Ll; Dbsm1; AI852300; D1Ertd471e; 2810478N18Rik; 3110063L10Rik

Summary:
ILDR2 belongs to the immunoglobulin superfamily. It is a single-pass type I transmembrane protein containing an amino terminal immunoglobulin-like domain and a long, carboxy tail. It was found to localize in the endoplasmic reticulum and is suggested to be involved in lipid homeostasis and ER stress pathways. It has also been associated with type 2 diabetes.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

R&D SYSTEMS
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> RDC2641 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
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 601  cagcccactg tgcttcgatg ccacttttcc acgtcctccc atcagcctgc ggtggttcag tggaagttca aatcctactg ccaggatcgc atgggagaat
 701  ccttgggcat gtcttctccc cgagcccaag cgctcagcaa gaggaacctg gaatgggacc cctacttgga ttgtttagac agcagaagga ccgtccgagt
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1401  tgacaaagag agagactcca tgaaggtcct gtactatgtc gagaaggagc tggctcagtt tgatccagcc aggaggatga gaggcagata taacaacacc
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1701  cagccagcag cgctccaaat ctgagatgct gtcgcggaag aactttgcca cgggcgtgcc ggccgtgtcg atggacgagc tggcagcctt cgcagactcg
1801  tacggccagc ggtctagacg cgccaatggc aacagccacg aggcgcgggc ggggagccgc ttcgagcgct cggagtcgcg ggcccacggt gccttctacc
1901  aggacggctc gctggatgag tactacgggc gcggacgcag tcgcgagccg ccgggagacg gggagcgtgg ctggacctac agccccgcac ccgcacgccg
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2301  ccgcggagag ctgagccggg gcccgtccta ccgtgggcgt gacctgtcct tccacagcaa ctcggagaag aggaggaaaa aggagcccgc caagaaaccc
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> RDC2641 Translated Insert Sequence

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 301  dstggshsvr kgyriqadke rdsmkvlyyv ekelaqfdpa rrmrgrynnt iselsslhdd dsnfrqsyhq mrnkqfpmsg dlesnpdyws gvmggnsgtn
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 501  pgdgergwty spaparrrpp edaplprlvs rtpgtapkyd hsylssvler qarpesssrg gsletpsklg aqlgprsasy yawsppttyk agasegeded
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