

Product datasheet for **MC220219**

Ildr2 (NM_001164528) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ildr2 (NM_001164528) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ildr2
Synonyms:	2810478N18Rik; 3110063L10Rik; AI852300; D1Ertd471e; Dbsm1; ENSMUSG00000040612; LI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220219 representing NM_001164528
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCCGCTTTTCCCACTCTGGATCTGGATGGGAAGTTGGGAAGATGGATAGGGTCGTGTTGGGTGGA
 CCGCTGTCTTCTGGTTAACAGCCATGGTTGAAGGCCTTCAGGTCACAGTGCCTGACAAGAAGAAGGTGGC
 CATGCTCTTCCAGCCCACTGTGCTTCGATGCCACTTTTCCACGTCTCCATCAGCCTGCGGTGGTTCAG
 TGGAAAGTCAAATCCTACTGCCAGGATCGCATGGGAGAATCCTTGGGCATGTCTTCTCCCGAGCCCAAG
 CGCTCAGCAAGAGGAACCTGGAATGGGACCCCTACTTGGATTGTTTAGACAGCAGAAGGACCGTCCGAGT
 GGTAGCTTCCAAACAGGGCTCGACGGTTACCCTGGGAGATTTCTACAGGGCAGAGAGATACAATAGTT
 CACGATGCAGATCTTCAAATTGAAAGCTCATGTGGGAGACAGCGGACTCTACTACTGTATCATCACCA
 CCCCAGGATGACCTGGAAGCAAAAACGAAGACTCAGTGGAACTGCTGGTGTGGGACGACAGGGCTGCT
 TGCTGATCTCTTCCCAGTTTTGCTGTGGAGATTATGCCAGAGTGGGTGTTGTGCGCCTGGTGATCCTG
 GGGATTTTCTCTTCTTGTGCTGGTGGGGATCTGCTGGTGCCAATGCTGCCCTCACAGTTGCTGCTGCT
 ATGTCCGCTGCCATGCTGCCAGATTCCTGCTGCTGCCCTCAGGCCCTGTATGAAGCAGGAAAGCAGC
 CAAGGCCGGGTACCCTCCCTCTGTCTCCGGTGTCCCCGGCCCCTACTCCATCCCCTCTGTCCCTTTGGGA
 GGAGCCCCCTTCTGGCATGCTGATGGACAAGCCGCATCCACCTCCCCTGGCACCAAGTGATCCACTG
 GAGGAAGCCACAGTGTTCGCAAAGGTTACCGGATCCAGGCTGACAAGAGAGAGACTCCATGAAGTCTCT
 GTACTATGTCGAGAAGGAGCTGGCTCAGTTTGATCCAGCCAGGAGGATGAGAGGCAGATAACAACACC
 ATCTCGGAACTCAGCTCCCTGCATGATGATGACAGCAATTTCCGCCAGTCTTACCACCAGATCGGAATA
 AGCAGTTCCTATGTCTGGAGACCTGGAAGCAATCCTGACTACTGGTCAGGTGTCATGGGAGGCAACAG
 TGGGACCAACAGGGGCCAGCCTTGGAGTATAACAAGAGGACCGTGAGAGCTTCAGGCACAGCCAGCAG
 CGCTCAAATCTGAGATGCTGTCGCGGAAGAATTTGCCACGGCGTGCCGGCCGTGTCGATGGACGAGC
 TGGCAGCCTTCGACAGCTCGTACGGCCAGCGGTGCGGGCGGCCAATGGCAACAGCCACGAGGCGCGGGC
 GGGGAGCCGCTTCGAGCGCTCGGAGTCCGGGGCCACGGTGCCTTCTACCAGGACGGCTCGCTGGATGAG
 TACTACGGGCGCGGACGAGTCCGAGCCCGGGGAGACGGGAGCGTGGCTGGACCTACAGCCCCGCAC
 CCGCAGCCGCGCCGCGCAGAGGATGCGCCTCTGCCGCGCTGGTGAGCCGACCCGGGACCCGCGCC
 CAAGTACGATCACTCGTACCTGAGCAGCGTGTGGAGCGCCAGGCGGGCCGAGAGCAGCAGCCGCGGG
 GGCAGCCTGGAGACGCCGCTCAAAGCTGGGCGCGCAGCTGGGCCCGCGCAGCGCATCTACTACGCTGGT
 CGCCGCCAACACATACAAAGCTGGGGCCAGCGAGGGCGAAGACGAGGACGACGCGCGGATGAGGACGC
 GCTGCCACCCTACAGCGAGCTGGAGCTGAGCCGCGGAGAGCTGAGCCGGGGCCCGTCTACCCTGGGCGT
 GACCTGTCTTCCACAGCAACTCGGAGAAGAGGAGGAAAAAGGAGCCCGCAAGAAAACCCGGCGACTTTC
 CAACCAGGATGTCCCTTGTAGTC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2319_c08.zip

Restriction Sites: SgfI-Mlul

ACCN: NM_001164528

Insert Size: 1986 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_001164528.1](#), [NP_001158000.1](#)

RefSeq Size: 8260 bp

RefSeq ORF: 1986 bp

Locus ID: 100039795

UniProt ID: [B5TVM2](#)

Cytogenetics: 1 73.61 cM

Gene Summary: May be involved in lipid homeostasis and ER stress pathways.[UniProtKB/Swiss-Prot Function]