

Product datasheet for **MR208574**

Ifnlr1 (NM_174851) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ifnlr1 (NM_174851) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ifnlr1
Synonyms:	CRF2-12; Il28ra
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208574 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGGCGGGCCGACCGGTGGGCGCCCTACTCCTGTTCTGTTGCAGAGCGCCCTAGGAAGCCCCGTC
 TAGCCCCACCCAGAAACGTGACACTCTTCTCCAGAACTCACTGTTTACCTGACATGGCTCCGGGGCT
 TGGGAGCCCCCAAATGTGACCTATTTCTGACCTACCAAAGCTATATCAAACCAGGTTGGCGACCACTG
 GAGCATTGTGCAGGTATCAAGGCTCTGGTGTGCCCTGATGTGCCTGAAGAACTGAACCTGACTCCA
 AGTTCAAAGGACGAGTACAGGCAGTTCACGACAGGGCAGGTCACCGGTGGAGTCCCGGTACCTGGA
 ATACCTTTTTGACGTGGAGCTAGCCCCGCCACCTGGTCTCACCCAGATGGAGAAGATCTAAGGGTC
 AATGCTACCTACCAGCTGCCACCTTGATGCCGTGCTGGAAGTGAAGTACCAGGTGGAGTCTGGAAGG
 AGGGTCTGGGAAGCAAGACCCTGTTTCTGACACTCCCTATGGCCAGCCAGTGCAGATTCCTCTCCAGCA
 AGGTGCTAGCCGACGCCACTGCCTCAGCGCCAGAACCCTATACCTTAATTGACATTAAGTACAGCCAG
 TTCTCTGAGCCCAGCTGCATCTTCTAGAGGCTCCAGGGGACAAAAGAGCTGTCTGGCATTGCCCTCAC
 TCTTGCTTCTACTGATAGCAGCCGTTGCAGCAGGTGTGGCATGGAAGATAATGAAAGGAAACCCCTGGT
 TCAGGGGGTGAAGACGCCCGGGCACTGGACTTTTCTGAATACAGATACCCAGTGGCAACCTTTCAGCCC
 AGTGGACCTGAGTTCTCTGATGACTTGATCCTTTGTCCCAGAAGGAAGTACCATAAGGAACAGGCCAG
 CCCCTCAGGTGAGAAACCCAGCCACGCTACAGGCAGGACCAGAAAGAGACAGTACTGAGGATGAAGACGG
 GGACACAGACTACGATGACGACGGTACAGCGTCCAGCCCTACCTGGAACGGCCCTTTCATCAGCGAG
 AAGCCCCGGGTTATGAAACTCGGAGACAGCAGTCTGGGGTGGATTACAGGGGGCCTTGGACTTCCC
 CAGTTGGGAGTGACGGCTCCTCTGCATGGGACTTTCAGACAGGAGCTGGTCCAGCACAGGGGACTCCTC
 ATATAAGGATGAAGTTGGGTCTTCCAGCTGTTTGGACCGAAAGGAGCCGACAGGCGCCCTGTGGGGAT
 TGGCTCCAGGAGGCTCTCCATGCCTGGAATTTCTGAGGACTTGGCACCGTGGAAAGAGCCTCTGAAGG
 ATGGCCTCTCCGGGTGGAGGATTTCTGGTTCCTTATCCTCAAAGAGAGATCTGGCTCCTGTGGAGCCCC
 AGTTTCTCTCAGACACTGACTTCTGCTGGTCAACAATCCTGAGGGGGAGGAGGAACAGGAGGACGAG
 GAGGAAGAGGAGGAGGAAGAGGAGGAGGAAGACTGGGAATCAGAACTAAGGGCAGCAATGCCGGCTGT
 GGGCACTTCAAGCGTGCAGAGGACGGAGGTACAGGGCCGGATGCTGGGAGATTACTTGGTCAGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208574 protein sequence
 Red=Cloning site Green=Tags(s)

MWRADRWAPLLLFLQLSALGRPRLAPPRNVTLFSQNFTVYLTWLPGLGSPPNVTVFYVYQSYIKTGWRPV
 EHCAGIKALVCPLMCLKLNLYSKFGRVQAASAQGRSPRVESRYLEYLFDVELAPPTLVLTQMEKILRV
 NATYQLPPCMPSLELKYQVEFWKEGLGSKTLFPDTPYGPVQIPLQQGASRRHCL SARTVYTLIDIKYSQ
 FSEPSIFLEAPGDKRAVLALPSLLLLIAAVAAGVAWKIMKGNPWFQGVKTPRALDFSEYRYPVATFQP
 SGPEFSDDLILCPQKELTIRNRPAPQVRNPATLQAGPERDSTEDGDTDYDDDGDSVQPYLERPLFISE
 KPRVMEHSETDESGVDSGGPWTSPVSGDSSAWDSSDRWSSTGDSSYKDEVGSSCLDRKEPDQAPCGD
 WLQEALPCLEFSEDLTGVEEPLKDGLSGWRISGSLSSKRD LAPVEPPVSLQTLTFCWVNNPEGEEQEDE
 EEEEEEEEEDEWESEPKGSNAGCWGTSSVQRTEVRGRMLGDYLV R

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_174851

ORF Size: 1608 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_174851.2](#), [NP_77276.2](#)

RefSeq Size: 4012 bp

RefSeq ORF: 1608 bp

Locus ID: 242700

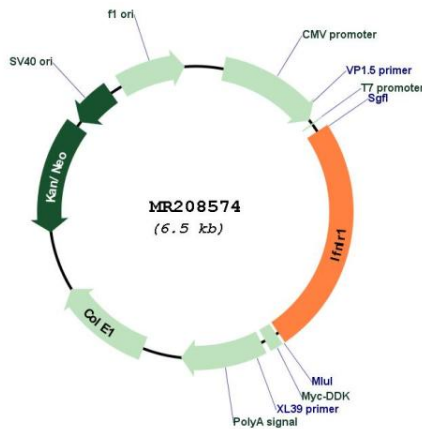
UniProt ID: [Q8CGK5](#)

Cytogenetics: 4 D3

MW: 59.9 kDa

Gene Summary: The IFNLR1/IL10RB dimer is a receptor for the cytokine ligands IFNL2 and IFNL3 and mediates their antiviral activity. The ligand/receptor complex stimulate the activation of the JAK/STAT signaling pathway leading to the expression of IFN-stimulated genes (ISG), which contribute to the antiviral state. Determines the cell type specificity of the lambda interferon action. Shows a more restricted pattern of expression in the epithelial tissues thereby limiting responses to lambda interferons primarily to epithelial cells of the respiratory, gastrointestinal, and reproductive tracts. Seems not to be essential for early virus-activated host defense in vaginal infection, but plays an important role in Toll-like receptor (TLR)-induced antiviral defense. Plays a significant role in the antiviral immune defense in the intestinal epithelium. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208574