

## Product datasheet for MC204749

### Ifnar1 (NM\_010508) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ifnar1 (NM_010508) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ifnar1
Synonyms:	CD118; Ifar; Ifnar; Ifrc; Infar
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC052217  
GGCCTAGCTGCCAGAGGTAGTCTCCAGCTCCGCGGTGCTGCTGAGGAGAAGGAGGAGAATGTGAGCCGCGCCGCGCTCCCAAGACGATGCTCGTGTGCTGGCGCGCGGCCCTGGTGTGGTGGCCGGGCGCCTGGGTGCTACCCTCAGCTGCAGGTGGAGAAAATCTGAAACCTCCTGAGAAATATAGACGTCTACATTATAGATGACAACCTACACCCTAAAGTGGAGCAGCCACGGAGAGTCAATGGGCAGTGTGACCTTTTCAGCAGAATA TCGAACAAAAGACGAGGCGAAGTGGTAAAAAGTGCCTGAATGTCAACATACTACAACGACCAAGTGTGAA TTCTCTTTACTGGACACAAATGTGTATATCAAAACACAGTTTCGTGTCAGAGCAGAGGAAGGGAACAGCA CATCTTCGTGGAATGAGGTTGATCCGTTTATTCCATTCTACACAGCTCACATGAGCCCCCAGAAGTACG TTTAGAAGCTGAAGATAAAGCCATACTAGTCCACATCTCTCTCCCGACAAGACGGGAACATGTGGGCA CTGGAGAAACCTTCTTACAGTTACACCATACGAATCTGGCAGAAGTCTTCCAGTGACAAAAAACTATTA ACTCTACGTATTATGTAGAAAAGATAACCAGAACTCTTGCCAGAGACTACTTACTGTTTAGAAGTTAAAGC AATACATCCGTCACCTTAAGAAAACACAGCAATTACAGCACTGTGCAGTGTATAAGCACACAGTGGCAAT AAAATGCCTGTGCCAGGAAATCTCCAAGTGGATGCCAAGGCAAGAGCTATGTCCTGAAATGGGACTACA TTGCGTCTGCAGACGTGCTCTTCAGGGCACAGTGGCTTCTGGCTATTCAAAAAGCAGTTCTGGAAGCCG TTCAGATAAATGGAAACCAATACCAACCTGTGCAATGTCCAGACTACGCACTGTGTCTTTTCTCAAGAT ACTGTCTACACAGGAACGTTCTTTCTCCATGTACAAGCCTCAGAGGGAATCACACATCCTTTTGGTCTG AAGAGAAGTTTATTGATTCTCAAAAACACATTCTCCCTTCTCCTCCGGTCATTACTGTACCGCCATGAG TGACACCTTGCTTGTATGTCAACTGTCAGGACAGCACATGTGATGGACTCAATTACGAAATCATCTTT TGGGAAAACACTTCCAATACTAAGATAAGCATGGAGAAGGATGGCCAGAGTTCCACCTCAAGAACCTGC AGCCGCTGACTGTGTACTGTGTCCAGGCCAGAGTGTCTTTCAGGGCCCTGCTGAATAAGACCAGCAACTT CAGTGAAGAAGCTGTGTGAGAAAACACGTCCAGGAAGTTTTTCCACGATCTGGATTATAACTGGATTAGGT GTTGTGTTCTTCTGTGCATGGTCTTTATGCTTTGAGGAGCGTCTGAAATACCTGTGTCATGTGTGCT TCCCACCACTCAAGCCTCCCGCAGTATTGATGAGTTTTTCTCTGAGCCGCTTCAAAAACCTTGTACT TCTGACGGCTGAGGAGCACACGGAAGATGCTTCATCATTGAGAATACAGACACGGTCGCTGTAGAAGTA AAGCACGCGCCTGAGGAGACCTCAGGAAGTACAGCTCACAGACCAGCCAGGACTCGGGCAACTATTCCA ACGAAGGGGAGGAGAGTGTGGGCACCGAGAGCGGCAAGCTGTGCTCTCAAAGCTCCCTGCGGGGGGCC ATGCACGCTGCCTAGCCCTCCTGGGACCTTGAAGACGGGACCTGCTTCTGGGAAATGAAAAATATCTT



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**Restriction Sites:**

RsrII-NotI

**ACCN:**

NM\_010508

**Insert Size:**

1773 bp

**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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: [BC052217](#), [AAH52217](#)

RefSeq Size: 3902 bp

RefSeq ORF: 1773 bp

Locus ID: 15975

UniProt ID: [P33896](#)

Cytogenetics: 16 52.98 cM

**Gene Summary:** Component of the receptor for type I interferons, including interferons alpha, IFNB1 and IFNW1 (PubMed:1533935, PubMed:14532120, PubMed:23872679). Functions in general as heterodimer with IFNAR2 (By similarity). Type I interferon binding activates the JAK-STAT signaling cascade, and triggers tyrosine phosphorylation of a number of proteins including JAKs, TYK2, STAT proteins and the IFNR alpha- and beta-subunits themselves (PubMed:14532120). Can form an active IFNB1 receptor by itself and activate a signaling cascade that does not involve activation of the JAK-STAT pathway (PubMed:23872679). Contributes to modulate the innate immune response to bacterial lipopolysaccharide (PubMed:23872679).[UniProtKB/Swiss-Prot Function]