

## Product datasheet for **MR226594**

### Ifngr1 (NM\_010511) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ifngr1 (NM_010511) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ifngr1
Synonyms:	CD119; Ifgr; IFN-gammaR; Ifngr; Nktar
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR226594 representing NM\_010511  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGCCCGCAGGCGGCAGCTGGCAGGATGATTCTGCTGGTGGTCTGATGCTGTCTGCGAAGTTCGGGA  
 GTGGAGCTTTGACGAGCACTGAGGATCCTGAGCCTCCCTCGGTGCCTGTACCGAGCAATGTTCTAATTAA  
 GTCTTATAACTTGAACCCTGTCGTATGCTGGGAATACCAGAACATGTCACAGACTCCTATTTTTACTGTA  
 CAGGTAAGGTGTATTCGGGTTCTGGACTGATTCCTGCACCAACATTTCTGATCATTGTTGTAATATCT  
 ATGAACAAATTATGTATCCTGATGTATCTGCCTGGGCCAGAGTTAAAGCTAAGGTTGGACAAAAAGAATC  
 TGACTATGCACGGTCAAAGAGTTCCTTATGTGCCTAAAGGAAAGGTCGGGCCCCCTGGCTGGAGATC  
 AGGAGGAAGAAGGAAGAACAGCTCTCCGTCCTCGTATTTACCCTGAAGTCGTTGTAATGGAGAGACCC  
 AGGAACCATGTTTGGTACGGGAGCACCTGTTACACATTCGACTATACTGTGTATGTGGAGCATAACCG  
 GAGTGGGAGATCTACATACGAAACATACGGTCGAAAAAGAAGAGTGAATGAGACTCTGTGTGAGTTA  
 AACATCTCAGTATCCACACTGGATTCCAGATATTGTATTTCAAGTACCGAATCTCATCTTTCTGGCAAG  
 TTAGAACGAAAAATCGAAAGACGCTGTATCCCTCCTTTCCATGATGACAGAAAGGATTCAATTTGGAT  
 TCTGGTGGTTGCTCCTCTTACCCTCTTTACAGTAGTTATCCTGGTATTTGCGTATTGGTATACTAAGAAG  
 AATTCAATCAAGAGAAAAAGCATAATGTTACCTAAGTCCTTGCTCTCTGTGGTAAAAAGTCCACGTTAG  
 AGACAAAACCTGAATCGAAGTATCACTTGTACACCCGCCAGCCAGCTGTCTAGAGAGTGAGACGGT  
 GATCTGTGAAGAGCCCTGTCCACAGTGACAGCTCCAGACAGCCCGAAGCAGCAGAACAGGAAGAACTT  
 TCAAAAAGAAACAAAGGCTCTGGAGGCTGGAGGAAGCACGCTGCCATGACCCAGACAGCCCTCCAATC  
 CGACAAAAGACGCAGCTTTTCCCTGTTAAGTAGTAACCAAGTACAGCCCTTGTAGCCTCACCCGCTCA  
 CTCCCAGAACGGCTCTGACAGTGGCCTCGTGGGATCGGGCAGCTCCATATCGGACTTGAATCTCTCCCA  
 AACAACTCAGAAACAAAGATGGCAGAGCACACCCTCCACCGTGAGAAAGGCCCCCATGGCTCCG  
 GTTATGACAAACCGCACATGTTGGTGGACGTGCTTGTGGATGTTGGGGGAAGGAGTCTCTCATGGGTA  
 TAGACTCACAGGAGAGGCCAGGAGCTGTCC

**ACCGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR226594 representing NM\_010511  
 Red=Cloning site Green=Tags(s)

MGPQAAAGRMILLVVLMLSAKVGSALSTEDPEPPSVPVPTNVLIKSYNLNPVVCWEYQNSQTPIFTV  
 QVKVYSGSWTDSCTNISDHCCNIYEQIMYPDVSARVKAKVGGQKESDYARSKEFLMCLKGKVGPPGLEI  
 RRKKEEQLSVLVFHPVNVNGESQGTMFGDGSTCYTFDYTVYVEHNRSGEILHTKHTVEKEECNETLCEL  
 NISVSTLDSRYCISVDGISSFWQVREKSKDVCIPPFHDDRKDSIWILVVAPLTVFTVVILVFAYWYTKK  
 NSFKRKSIMLPKSLLSVVKSATLETKPESKYSLVTPHQPAVLESETVICEEPLSTVTAPDSPEAAEQEEL  
 SKETKALEAGGSTSAMTPDSPPTPTQRRSFLSSNQSGPCSLTAYHSRNGSDSGLVGSSSISDLESPL  
 NNNSETKMAEHDPPPVRKAPMASGYDKPHMLVDVLVDVGGKESLMGYRLTGEAQELS

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9016\\_h09.zip](https://cdn.origene.com/chromatograms/mm9016_h09.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_010511

**ORF Size:** 1431 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](mailto: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](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

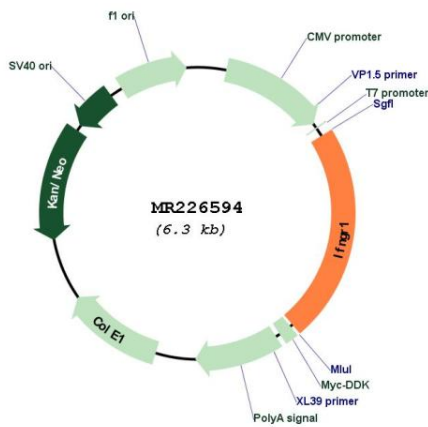
**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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\\_010511.3, NP\\_034641.1](#)  
**RefSeq Size:** 2099 bp  
**RefSeq ORF:** 1434 bp  
**Locus ID:** 15979  
**UniProt ID:** [P15261](#)  
**Cytogenetics:** 10 8.49 cM  
**MW:** 52.8 kDa

**Gene Summary:** Associates with IFNGR2 to form a receptor for the cytokine interferon gamma (IFNG) (PubMed:2530582, PubMed:2532365, PubMed:2137461, PubMed:2531896, PubMed:2530216). Ligand binding stimulates activation of the JAK/STAT signaling pathway (By similarity).[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR226594