

## Product datasheet for RC201212

### IFNAR2 (NM\_207584) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	IFNAR2 (NM_207584) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	IFNAR2
Synonyms:	IFN-alpha-REC; IFN-R; IFNABR; IFNARB; IMD45
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC201212 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGCTTTTGAGCCAGAATGCCTTCATCGTCAGATCACTTAATTTGGTTCTCATGGTGTATATCAGCCTCG  
 TGTTTGGTATTTTCATATGATTGCGCTGATTACACAGATGAATCTTGCACTTTCAAGATATCATTGCGAAA  
 TTTCCGGTCCATCTTATCATGGGAATTAACCACTCCATTGTACCACTCACTATACATTGCTGTAT  
 ACAATCATGAGTAAACCAGAAGATTTGAAGGTGGTTAAGAACTGTGCAAAATACCACAAGATCATTTTGTG  
 ACCTCACAGATGAGTGGAGAAGCACACAGAGGCCTATGTCACCGTCCTAGAAGGATTACGCGGGAACAC  
 AACGTTGTTGAGTGTGCTCACACAATTTCTGGCTGGCCATAGACATGTCTTTGAACCACAGAGTTTGAG  
 ATTGTTGGTTTTACCAACCACATTAATGTGATGGTGAAATTTCCATCTATTGTTGAGGAAGAATTACAGT  
 TTGATTTATCTCTCGTCATTGAAGAACAGTCAGAGGGAATTGTTAAGAAGCATAAACCCGAAATAAAGG  
 AAACATGAGTGGAAATTTACCTATATCATTGACAAGTTAATTCAAACACGAACTACTGTGTATCTGTT  
 TATTTAGAGCACAGTGATGAGCAAGCAGTAATAAAGTCTCCCTTAAATGCACCTCCTTCCACCTGGCC  
 AGGAATCAGAATCAGCAGAATCTGCCAAATAGGAGGAATAATTACTGTGTTTTGATAGCATTGGTCTT  
 GACAAGCACCATAGTGACACTGAAATGGATTGGTTATATATGCTTAAGAAATAGCCTCCCCAAAGTCTTG  
 AGGCAAGGTCTCACTAAGGGCTGGAATGCAGTGGCTATTACAGGTGCAGTCATAATGCACTACAGTCTG  
 AAACCTCTGAGCTCAACAGTCGCTCGCTAAGCTTCCCCAGTAGCTGGGATTACAAGCGTGCATCCCT  
 GTGCCCCAGTGAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA


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**Protein Sequence:** >RC201212 protein sequence  
 Red=Cloning site Green=Tags(s)

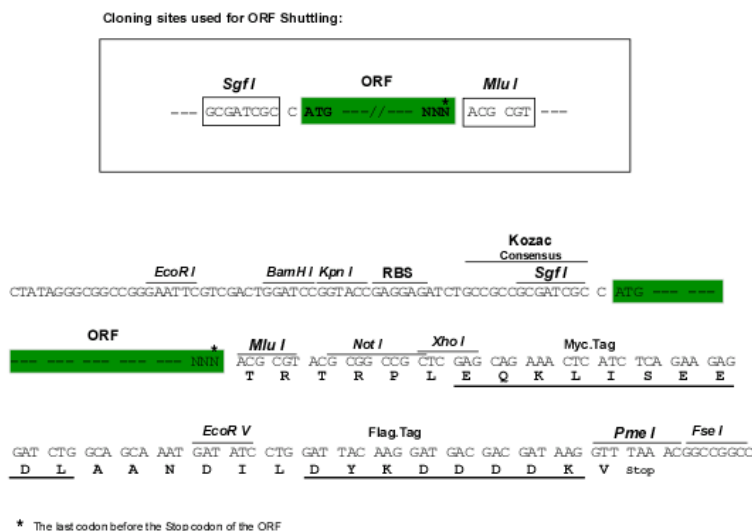
MLLSQNAFIVRSLNLVLMVYISLVFGISYDSPDYTDESCTFKISLRNFRSILSWELKNHSIVPTHYLLY  
 TIMSKPEDLKVVKNCAANTTRSFCDLTDEWRSTHEAYTVLEGFSGNTTLFSCSHNFWLAIDMSFEPPEFE  
 IVGFTNHINVMVKFPSIVEEELQFDLSLVIEEQSEGIVKKHKPEIKGNMSGNFTYIIDKLIPNTNYCVSV  
 YLEHSDEQAVIKSPLKCTLLPPGQESESAESAIGGIITVFLIALVLTSTIVTLKWIGYICLRNSLPKVL  
 RQGLTKGWNVAIHRCSHNALQSETPELKQSSCLSFSSWDYKRASLCPSD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6572\\_a01.zip](https://cdn.origene.com/chromatograms/mk6572_a01.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_207584

**ORF Size:** 993 bp

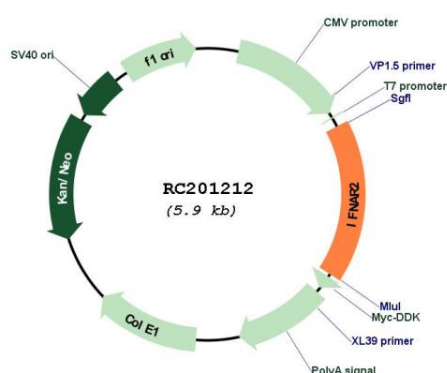
**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone 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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_207584.3</a>
<b>RefSeq Size:</b>	1413 bp
<b>RefSeq ORF:</b>	996 bp
<b>Locus ID:</b>	3455
<b>UniProt ID:</b>	<a href="#">P48551</a>
<b>Cytogenetics:</b>	21q22.11
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway, Natural killer cell mediated cytotoxicity, Toll-like receptor signaling pathway
<b>MW:</b>	37.4 kDa
<b>Gene Summary:</b>	The protein encoded by this gene is a type I membrane protein that forms one of the two chains of a receptor for interferons alpha and beta. Binding and activation of the receptor stimulates Janus protein kinases, which in turn phosphorylate several proteins, including STAT1 and STAT2. The protein belongs to the type II cytokine receptor family. Mutations in this gene are associated with Immunodeficiency 45. [provided by RefSeq, Jul 2020]

## Product images:



Circular map for RC201212