

## Product datasheet for **RC236829**

### IFNAR2 (NM\_001289126) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	IFNAR2 (NM_001289126) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	IFNAR2
Synonyms:	IFN-alpha-REC; IFN-R; IFNABR; IFNARB; IMD45
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC236829 representing NM_001289126 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGCTTTTGAGCCAGAATGCCTTCATCTTCAGATCACTTAATTTGGTTCTCATGGTGTATATCAGCCTCG  
TGTTTGGTATTTTCATATGATTCGCCTGATTACACAGATGAATCTTGCACTTTCAAGATATCATTGCGAAA  
TTTCCGGTCCATCTTATCATGGGAATTAACCAACTCCATTGTACCAACTCACTATACATTGCTGTAT  
ACAATCATGAGTAAACCAGAAGATTTGAAGGTGGTTAAGAACTGTGCAAATACCACAAGATCATTTGTG  
ACCTCACAGATGAGTGGAGAAGCACACAGAGGCCTATGTCACCGTCTAGAAAGGATTCAGCGGGAACAC  
AACGTTGTTCAAGTTGCTCACACAATTTCTGGCTGGCCATAGACATGTCTTTGAACCACCAGAGTTTGAG  
ATTGTTGGTTTTACCAACCACATTAATGTGATGGTGAAATTTCCATCTATTGTTGAGGAAGAATTACAGT  
TTGATTTATCTCTCGTCATTGAAGAACAGTCAGAGGGAATTGTTAAGAAGCATAAACCCGAAATAAAGG  
AAACATGAGTGGAAATTTACCTATATCATTGACAAGTTAATTCCAAACACGAACACTGTGTATCTGTT  
TATTTAGAGCACAGTGATGAGCAAGCAGTAATAAAGTCTCCCTTAAATGCACCCCTCTCCACCTGGCC  
AGGAATCAGAATTTTCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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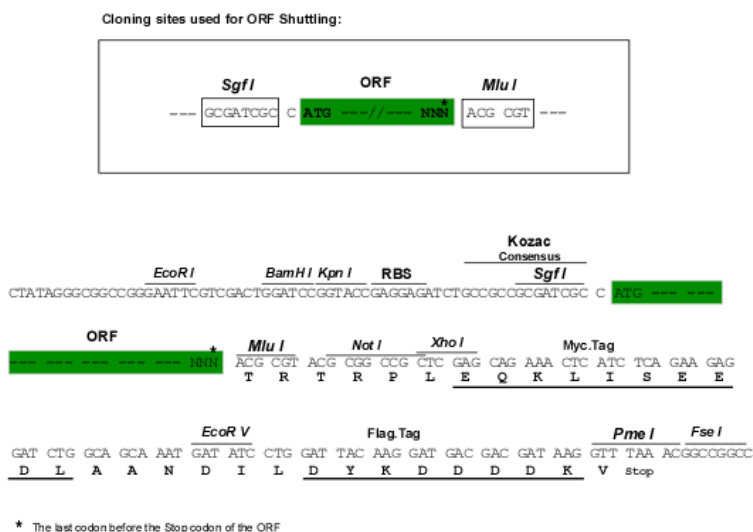
Protein Sequence: >RC236829 representing NM\_001289126  
 Red=Cloning site Green=Tags(s)

MLLSQNAFIFRSLNVLVMVYISLVFGISYDSPDYDDESCTFKISLRNFRSILSWELKNHSIVPTHYLLY  
 TIMSKPEDLKVVKNCANTTRSFCDLTDEWRSTHEAYVTVLEGFSGNTTLFSCSHNFWLAIDMSFEPPEFE  
 IVGFTNHINVMVKFPSIVEEELQFDLSLVIEEQSEGIVKHKHKEIKGNMSGNFYIIDKLIPTNTYCVSV  
 YLEHSDEQAVIKSPLKCTLLPPQSEFS

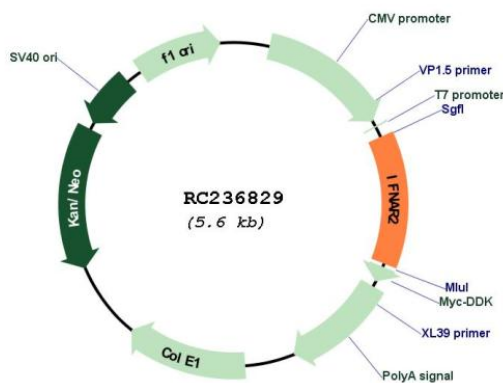
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001289126  
 ORF Size: 717 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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_001289126.1</a> , <a href="#">NP_001276055.1</a>
<b>RefSeq Size:</b>	2789 bp
<b>RefSeq ORF:</b>	720 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>	27.8 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]