

Product datasheet for SC308614

IFNAR2 (NM_207585) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: IFNAR2 (NM_207585) Human Untagged Clone
Tag: Tag Free
Symbol: IFNAR2
Synonyms: IFN-alpha-REC; IFN-R; IFNABR; IFNARB; IMD45
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_207585 edited
 ATGCTTTTGAGCCAGAATGCCTTCATCTTCAGATCACTTAATTTGGTTCTCATGGTGTAT
 ATCAGCCTCGTGTGGTATTTTCATATGATTTCGCCTGATTACACAGATGAATCTTGCCT
 TTCAAGATATCATTGCGAAATTTCCGGTCCATCTTATCATGGGAATTAACCAACTCC
 ATTGTACCAACTCACTATACATTGCTGTATAACAATCATGAGTAAACCAGAAGATTGAAG
 GTGGTTAAGAAGTGTGCAATACCAAGATCATTGTTGACCTCACAGATGAGTGGAGA
 AGCACACACGAGGCTATGTCACCGTCTAGAAGGATTACGCGGAACACAACGTTGTTT
 AGTTGCTCACACAATTTCTGGCTGGCCATAGACATGTCTTTGAACCACCAGAGTTGAG
 ATTGTTGGTTTTACCAACCACATTAATGTGATGGTAAATTTCCATCTATTGTTGAGGAA
 GAATTACAGTTTGATTTATCTCTCGTCATTGAAGAACAGTCAGAGGGAATTGTTAAGAAG
 CATAAACCCGAAATAAAAGGAAACATGAGTGGAAATTTACCTATATCATTGACAAGTTA
 ATTCCAAACACGAACTACTGTGTATCTGTTTATTTAGAGCACAGTGATGAGCAAGCAGTA
 ATAAAGTCTCCCTTAAATGCACCTCCTTCCACCTGGCCAGGAATCAGAATCAGCAGAA
 TCTGCCAAAATAGGAGGAATAAATACTGTGTTTTGATAGCATTGGTCTTGACAAGCACC
 ATAGTGACACTGAAATGGATTGGTTATATATGCTTAAGAAATAGCCTCCCCAAAGCTTG
 AATTTTCATAACTTTTTAGCCTGGCCATTTCTAACCTGCCACCCTTGGAAAGCCATGGAT
 ATGGTGGAGGTCATTTACATCAACAGAAAGAAGAAAGTGTGGGATTATAATTATGATGAT
 GAAAGTGATAGCGATACTGAGGCAGCGCCAGGACAAGTGGCGGTGGCTATACCATGCAT
 GGACTGACTGTGAGCCCTCTGGGTCAGGCCTCTGCCACCTCTACAGAATCCCAGTTGATA
 GACCCGGAGTCCGAGGAGGAGCCTGACCTGCCTGAGGTTGATGTGGAGCTCCCCAGATG
 CCAAAGGACAGCCCTCAGCAGTTGGAACCTTGAGTGGGCCCTGTGAGAGGAGAAAGAGT
 CCACTCCAGGACCCTTTCCCGAAGAGGACTACAGCTCCACGAGGGGTCTGGGGCAGA
 ATTACCTCAATGTGGACTTAACTCTGTGTTTTGAGAGTTCTTGATGACGAGGACAGT
 GACGACTTAGAAGCCCTCTGATGCTATCGTCTCATCTGGAAGAGATGGTTGACCCAGAG
 GATCCTGATAATGTGCAATCAAACCATTTGCTGGCCAGCGGGGAAGGACACAGCCAACC
 TTTCCAGCCCTCTCAGAGGGCCTGTGGTCCGAAGATGCTCCATCTGATCAAAGTGAC
 ACTTCTGAGTCAGATGTTGACCTTGGGGATGGTTATATAATGAGATGA



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Restriction Sites:	Please inquire
ACCN:	NM_207585
Insert Size:	1500 bp
OTI Disclaimer:	<p>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 or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_207585.1.
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:	<ol style="list-style-type: none"> 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_207585.1 , NP_997468.1
RefSeq Size:	2898 bp
RefSeq ORF:	1548 bp
Locus ID:	3455
UniProt ID:	P48551
Cytogenetics:	21q22.11
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway, Natural killer cell mediated cytotoxicity, Toll-like receptor signaling pathway

Gene Summary:

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]
Transcript Variant: This variant (1) encodes the longest isoform (a). Variants 1 and 4 both encode isoform a.