

Product datasheet for SC319068

IFNAR2 (NM_207584) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: IFNAR2 (NM_207584) Human Untagged Clone
Tag: Tag Free
Symbol: IFNAR2
Synonyms: IFN-alpha-REC; IFN-R; IFNABR; IFNARB; IMD45
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_207584.1
 GCCCCCGCGCCGGCGGGCGCGCCCGCGCTTCCGTAGCGCTCCTCGTAGGCCGGGG
 CTCGGCGCGCGCACCCGCACTAAAGACGCTTCTCCCGAGGGTAGGAATCCCGCCGGCG
 AGCCGAACAGTTCGCCGAGCGCAGCCCGGACCACCACCCGGCCGACGGGCCGCTTTT
 GTCCCGCGCCCGCGCTTCTGTCCGAGAGGCGCCCGCGAGGCGCATCCTGACCGCGAGC
 GTCGGGTCCCAGAGCCGGCGCGGCTGGGGCCGAGGCTAGCATCTCTCGGGAGCCGCAA
 GGCGAGAGCTGCAAAGATGTAAGTCAAGAGAAGACTCTAAAAATAGCAAAGATGCTTT
 TGAGCCAGAATGCCTTCATCGTCAGATCACTTAATTTGGTTCTCATGGTGTATATCAGCC
 TCGTGTGGTATTTTCATATGATTCGCCTGATTACACAGATGAATCTTGCACTTTCAAGA
 TATCATTGCGAAATTTCCGGTCCATCTTATCATGGGAATTAACCAACTCCATTGTAC
 CAACTCACTATACATTGCTGTATACAATCATGAGTAAACCAGAAGATTTGAAGGTGGTTA
 AGAACTGTGCAAATACCAAGATCATTGTGTGACCTCACAGATGAGTGGAGAAGCACAC
 ACGAGGCCTATGTCACCGTCTAGAAAGATTACAGCGGAACACAACGTTGTTGAGTTGCT
 CACACAATTTCTGGCTGGCCATAGACATGTCTTTGAACCACCAGAGTTGAGATTGTTG
 GTTTTACCAACCACATTAATGTGATGGTGAATTTCCATCTATTGTTGAGGAAGAATTAC
 AGTTTGATTTATCTCTCGTCATTGAAGAACAGTCAGAGGGAATTGTTAAGAAGCATAAAC
 CCGAAATAAAAGGAAACATGAGTGGAAATTTACCTATATCATTGACAAGTTAATTC
 ACACGAACTACTGTGTATCTGTTTATTTAGAGCACAGTGATGAGCAAGCAGTAATAAAGT
 CTCCTTAAAAATGCACCCTCTTCCACCTGGCCAGGAATCAGAATCAGCAGAATCTGCCA
 AAATAGGAGGAATAATTACTGTGTTTTGATAGCATTGGTCTTGACAAGCACCATAGTGA
 CACTGAAATGGATTGGTTATATATGCTTAAAGAAATAGCCTCCCCAAAGTCTTGAGGCAAG
 GTCTCACTAAGGGCTGGAATGCAGTGGCTATTCACAGGTGCAGTCATAATGCACTACAGT
 CTGAAACTCCTGAGCTCAAACAGTCGTCTGCCTAAGCTTCCCCAGTAGCTGGGATTACA
 AGCGTGCATCCCTGTGCCCGAGTGATTAAGTTTTATTATGTAGAAAAATAAAGAGCAAACA
 GTTACAGCTGAA

Restriction Sites: Please inquire



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ACCN:	NM_207584
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_207584.1</u> , <u>NP_997467.1</u>
RefSeq Size:	1382 bp
RefSeq ORF:	996 bp
Locus ID:	3455
UniProt ID:	<u>P48551</u>
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:	<p>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]</p> <p>Transcript Variant: This variant (3) differs in the 3' UTR and coding region compared to variant 1. The resulting isoform (b) is shorter and has a distinct C-terminus compared to isoform a. Variants 2 and 3 both encode isoform b.</p>