

Product datasheet for **SC324178**

IFNAR1 (NM_000629) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IFNAR1 (NM_000629) Human Untagged Clone
Tag:	Tag Free
Symbol:	IFNAR1
Synonyms:	AVP; IFN-alpha-REC; IFNAR; IFNBR; IFRC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_000629.2
 CTTAGGACGGGGCGATGGCGGCTGAGAGGAGCTGCGCGTGCGCGAACATGTAACCTGGTGG
 GATCTGCGGGCGGCTCCCAGATGATGGTCGTCTCCTGGGCGCGACGACCCCTAGTGCTCGT
 CGCCGTGGCGCCATGGGTGTTGTCCGACGCCGAGGTGGAAAAATCTAAAAATCTCTCA
 AAAAGTAGAGGTCGACATCATAGATGACAACTTTATCCTGAGGTGGAACAGGAGCGATGA
 GTCTGTCCGGAATGTGACTTTTTTCATTCGATTATCAAAAACTGGGATGGATAATTGGAT
 AAAATTGTCTGGGTGTCAGAATATTACTAGTACCAAATGCAACTTTTCTCACTCAAGCT
 GAATGTTTATGAAGAAATTAATTTGCGTATAAGAGCAGAAAAAGAAAAACCTTCTTCATG
 GTATGAGTTGACTCATTACACCATTTTCGCAAAGCTCAGATTGGTCTCCAGAAGTACA
 TTTAGAAGCTGAAGATAAGGCAATAGTGATACACATCTCTCCTGGAACAAAAAGATAGTGT
 TATGTGGGCTTTGGATGGTTAAGCTTTACATATAGCTTAGTTATCTGGAAAACTCTTC
 AGGTGTAGAAGAAAGGATTGAAAATATTTATTCCAGACATAAAATTTATAAACTCTCACC
 AGAGACTACTTATTGTCTAAAAGTTAAAGCAGCACTACTACGTCATGGAAAAATGGTGT
 CTATAGTCCAGTACATTGTATAAAGACCACAGTTGAAAAATGAACTACCTCCACCAGAAAA
 TATAGAAGTCAGTGTCCAAAATCAGAATATGTTCTTAAATGGGATTATACATATGCAAA
 CATGACCTTTCAAGTTCAGTGGCTCCACGCCTTTTTAAAAAGGAATCCTGGAAACCATTT
 GTATAAATGGAACAAAATACCTGACTGTGAAAATGTCAAAAACCTCCAGTGTGTCTTTCC
 TCAAAACGTTTTCCAAAAAGGAATTTACCTTCTCCGCGTACAAGCATCTGATGGAATAA
 CACATCTTTTTGGTCTGAAGAGATAAAGTTTGATACTGAAATACAAGCTTTCTACTTCC
 TCCAGTCTTTAACATTAGATCCCTTAGTGATTCCATATCTATATCGGTGCTCCAAA
 ACAGTCTGGAACACGCCTGTGATCCAGGATTATCCACTGATTTATGAAATATTTTTTG
 GGAAAAACACTTCAAATGCTGAGAGAAAAATTCGAGAAAAAACTGATGTTACAGTTCC
 TAATTTGAAACCACTGACTGTATATTGTGTGAAAGCCAGAGCACACACCATGGATGAAAA
 GCTGAATAAAAGCAGTGTTTTTAGTGACGCTGTATGTGAGAAAAACAAAACAGGAATAC
 CTCTAAAATTTGGCTTATAGTTGGAATTTGATTGCATTTTGTCTCCCGTTTGTCTAT
 TTATGCTGCGAAAGTCTTCTTGAGATGCATCAATTATGTCTTCTTCCATCACTTAAACC
 TTCTTCCAGTATAGATGAGTATTTCTCTGAACAGCCATTGAAGAATCTTCTGCTTTCAAC
 TTCTGAGGAACAAATCGAAAAATGTTTCATAATTGAAAAATAAGCACAATTGCTACAGT
 AGAAGAACTAATCAAATGATGAAGATCATAAAAAATACAGTTCCCAAATAGCCAAGA
 TTCAGGAAATTTCTAATGAAGATGAAAGCGAAAGTAAAACAAGTGAAGAACTACAGCA
 GGACTTTGTATGACCAGAAATGAACTGTGTCAAGTATAAGTTTTTCAGCAGGAGTTACA
 CTGGGAGCCTGAGGTCTCACCTTCTCTCAGTAACTACAGAGAGGACGTTTCCCTGTTT
 AGGGAAAGAAAAACATCTTCAAGATCATAGGTCCTAAAAATACGGGCAAGCTCTTAACTA
 TTTAAAAATGAAATTACAGGCCCGGACGGTGGCTCACACCTGTAATCCAGCACTTTG
 GGAGGCTGAGGCAGGCAGATCATGAGGTCAAGAGATCGAGACCAGCCTGGCCAACGTGGT
 GAAACCCCATCTCTACTAAAAAAAAAAAAAAAAA

Restriction Sites: ECoRI-NOT

ACCN: NM_000629

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:	NM_000629.2 , NP_000620.2
RefSeq Size:	6099 bp
RefSeq ORF:	1674 bp
Locus ID:	3454
UniProt ID:	P17181
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 and functions as an antiviral factor. [provided by RefSeq, Jul 2020]