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Product datasheet for SC119799

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:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>NCBI ORF sequence for NM_000629, the custom clone sequence may differ by one or more nucleotides

ATGATGGTCGTCCTCCTGGGCGCGACGACCCTAGTGCTCGTCGCCGTGGCGCCATGGGTGTTGTCCGCAG
CCGCAGGTGGAAAAAATCTAAAATCTCCTCAAAAAGTAGAGGTCGACATCATAGATGACAACTTTATCCT
GAGGTGGAACAGGAGCGATGAGTCTGTCGGGAATGTGACTTTTTCATTCGATTATCAAAAAACTGGGATG
GATAATTGGATAAAATTGTCTGGGTGTCAGAATATTACTAGTACCAAATGCAACTTTTCTTCACTCAAGC
TGAATGTTTATGAAGAAATTAAATTGCGTATAAGAGCAGAAAAAGAAAACACTTCTTCATGGTATGAGGT
TGACTCATTTACACCATTTCGCAAAGCTCAGATTGGTCCTCCAGAAGTACATTTAGAAGCTGAAGATAAG
GCAATAGTGATACACATCTCTCCTGGAACAAAAGATAGTGTTATGTGGGCTTTGGATGGTTTAAGCTTTA
CATATAGCTTAGTTATCTGGAAAAACTCTTCAGGTGTAGAAGAAAGGATTGAAAATATTTATTCCAGACA
TAAAATTTATAAACTCTCACCAGAGACTACTTATTGTCTAAAAGTTAAAGCAGCACTACTTACGTCATGG
AAAATTGGTGTCTATAGTCCAGTACATTGTATAAAGACCACAGTTGAAAATGAACTACCTCCACCAGAAA
ATATAGAAGTCAGTGTCCAAAATCAGAACTATGTTCTTAAATGGGATTATACATATGCAAACATGACCTT
TCAAGTTCAGTGGCTCCACGCCTTTTTAAAAAGGAATCCTGGAAACCATTTGTATAAATGGAAACAAATA
CCTGACTGTGAAAATGTCAAAACTACCCAGTGTGTCTTTCCTCAAAACGTTTTCCAAAAAGGAATTTACC
TTCTCCGCGTACAAGCATCTGATGGAAATAACACATCTTTTTGGTCTGAAGAGATAAAGTTTGATACTGA
AATACAAGCTTTCCTACTTCCTCCAGTCTTTAACATTAGATCCCTTAGTGATTCATTCCATATCTATATC
GGTGCTCCAAAACAGTCTGGAAACACGCCTGTGATCCAGGATTATCCACTGATTTATGAAATTATTTTTT
GGGAAAACACTTCAAATGCTGAGAGAAAAATTATCGAGAAAAAAACTGATGTTACAGTTCCTAATTTGAA
ACCACTGACTGTATATTGTGTGAAAGCCAGAGCACACACCATGGATGAAAAGCTGAATAAAAGCAGTGTT
TTTAGTGACGCTGTATGTGAGAAAACAAAACCAGGAAATACCTCTAAAATTTGGCTTATAGTTGGAATTT
GTATTGCATTATTTGCTCTCCCGTTTGTCATTTATGCTGCGAAAGTCTTCTTGAGATGCATCAATTATGT
CTTCTTTCCATCACTTAAACCTTCTTCCAGTATAGATGAGTATTTCTCTGAACAGCCATTGAAGAATCTT
CTGCTTTCAACTTCTGAGGAACAAATCGAAAAATGTTTCATAATTGAAAATATAAGCACAATTGCTACAG
TAGAAGAAACTAATCAAACTGATGAAGATCATAAAAAATACAGTTCCCAAACTAGCCAAGATTCAGGAAA
TTATTCTAATGAAGATGAAAGCGAAAGTAAAACAAGTGAAGAACTACAGCAGGACTTTGTATGA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_000629 unedited
GGTCGATTTTGTATACGACTCCTATAGGGCGGCCGCGATTCGGCACGAGGGCGGCTGAGA
GGAGCTGCGCGTGCGCNGACATGTAACTGGTGGGATCTGCGGCGGCTCCCAGATGATGGT
CGTCCTCCTGGGCGCGACGACCCTAGTGCTCGTCGCCGTGGCGCCATGGGTGTTGTCCGC
AGCCGCAGGTGGAAAAAATCTAAAATCTCCTCAAAAAGTAGAGGTCGACATCATAGATGA
CAACTTTATCCTGAGGTGGAACAGGAGCGATGAGTCTGTCGGGAATGTGACTTTTTCATT
CGATTATCAAAAAACTGGGATGGATAATTGGATAAAATTGTCTGGGTGTCAGAATATTAC
TAGTACCAAATGCAACTTTTCTTCACTCAAGCTGAATGTTTATGAAGAAATTAAATTGCG
TATAAGAGCAGAAAAAGAAAACACTTCTTCATGGTATGAGGTTGACTCATTTACACCATT
TCGCAAAGCTCAGATTGGTCCTCCAGAAGTACATTTAGAAGCTGAAGATAAGGCAATAGT
GATACACATCTCTCCTGGAACAAAAGATAGTGTTATGTGGGCTTTGGATGGTTTAAGCTT
TACATATAGCTTACTTATCTGGAAAAACTCTTCAGGTGTAGAAGAAAGGATTGAAAATAT
TTATTCCAGACATAAAATTTATAAACTCTCACCAGAGACTACTTATTGTCTAAAAGTTAA
AGCAGCACTACTTACGTCATGNGAAATTGGTGTCTATAGTCCAGTACATTGTATAAAGAC
CCACAGTTGAAAATGAACTACCTTCACCAGAATNATTAGAAGATCAGTGTCCAAATCANA
ACTATGTTCTTANATGGGGATTATACATATNGCAACATGACTCTTCAAGGTTCCAGTGGC
TCCACGCCTTTTTTAAAAGGNATCCTGNAAACATT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_000629 unedited
GGCCGCAATTTAGAGTCGAGTTTTTTTTTTTTTTTTTGTCTCAACTCTTTTAATTTCTT
TTTTTAAAGAGTCTCACGCTGTCACCAGGCTGGAGTGCAGTGGCGTGATCTCGGCTCACT
GCAACCTCCACCTCCTGTTTTCAAGCGATTCTCCTGCCTCAGCCTCCTGAGTAGCTAAGA
CAACAGGCGCGCGCCACCACACCCGGCTAATTTTTGTATTTTTAGTAGAGATGGGGTTTC
ACCACGTTGGCCAGGCTGGTCTCGATCTCTTGACCTCATGATCTGCCTGCCTCAGCCTCC
CAAAGTGCTGGGATTACAGGTGTGAGCCACCGTGCCCGGGCCTGTAATTTCATTTTTAAA
TAGTTAAGAGCTTGCCCGTATTTTTAGGACCTATGATCTGAAGATGTTTTTTCTTTCCCT
AAACAGGGAAACGTCCTCTCTGTAGTTACTGAGAGGAAGGTGAGGACCTCAGGCTCCCAG
TGTAACTCCTGCTGAAAAACCTTATACTTGACACAGTTCATTTCTGGTCATACAAAGTCC
TGCTGTAGTTCTTCACTTGTTTTACTTTCGCTTTCATCTTCATTAGAATAATTTCCTGAA
TCTTGGCTAGTTTGGGAACTGTATTTTTTATGATCTTCATCAGTTTGATTAGTTTCTTCT
ACTGTAGCAATTGTGCTTATATTTTCAATTATGAAACATTTTTCGATTTGTTCCTCAGAA
GTTGAAAGCAGAAGATTCTTCAATGGCTGTTCAGAGAAATACTCATCTATACTGGGAAGA
AGGGTTTAGTGATGGAAAGAAGACATAATTGATGCATCTCAAGAAGACTTTCGCAGCATA
AATGACAAACGGNAGAGCCAATAATGGCATACAAATTNCCACTATNAGCCCAATTTTAGA
GGTATTCCTGGTTTTGTTTCCTAACTACAGCGTCACTAAAAAAACTGCTTTATTCANCTT
TCATACATGGNGNGGGCTCTGGCCTTCACCN

Restriction Sites: ECoRI-NOT

ACCN: NM_000629

Insert Size: 2390 bp

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).

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:
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]