

Product datasheet for SC119622

IFNAR2 (NM_000874) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IFNAR2 (NM_000874) Human Untagged Clone
Tag:	Tag Free
Symbol:	IFNAR2
Synonyms:	IFN-alpha-REC; IFN-R; IFNABR; IFNARB; IMD45
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC119622 sequence for NM_000874 edited (data generated by NextGen Sequencing)

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ATGCTTTTGAGCCAGAATGCCTTCATCTTCAGATCACTTAATTTGGTTTCATGGTGTAT
ATCAGCCTCGTGTGGTATTTTCATATGATTTCGCCTGATTACACAGATGAATCTTGCCT
TTCAAGATATCATTGCGAAATTTCCGGTCCATCTTATCATGGGAATTAACCAACTCC
ATTGTACCAACTCACTATACATTGCTGTATAAATCATGAGTAAACCAGAAGATTTGAAG
GTGGTTAAGAACTGTGCAAATACCACAAGATCATTTTGTGACCTCACAGATGAGTGGAGA
AGCACACACGAGGCTATGTCACCGTCTAGAAGGATTCAGCGGGAACACAACGTTGTTT
AGTTGCTCACACAATTTCTGGCTGGCCATAGACATGTCTTTGAACCACCAGAGTTTGAG
ATTGTTGGTTTTACCAACCACATTAATGTGATGGTGAATTTCCATCTATTGTTGAGGAA
GAATTACAGTTTGATTTATCTCTCGTCATTGAAGAACAGTCAGAGGGAATTGTTAAGAAG
CATAAACCGAAATAAAAGGAAACATGAGTGAAATTTACCTATATCATTGACAAGTTA
ATTCCAAACACGAACTACTGTGTATCTGTTTATTTAGAGCACAGTGATGAGCAAGCAGTA
ATAAAGTCTCCCTTAAATGCACCTCCTTCCACCTGGCCAGGAATCAGAATCAGCAGAA
TCTGCCAAAATAGGAGGAATAAATACTGTGTTTTGATAGCATTGGTCTTGACAAGCACC
ATAGTGACACTGAAATGGATTGGTTATATATGCTTAAGAAATAGCCTCCCCAAAGCTTG
AGGCAAGGTCTCGCTAAGGGCTGGAATGCAGTGGCTATTCACAGGTGCAGTCATAATGCA
CTACAGTCTGAACTCCTGAGCTCAAACAGTCGCTCCTAAGCTTCCCCAGTAGCTGG
GATTACAAGCGTGCATCCCTGTGCCCCAGTGATTAA
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Clone variation with respect to NM_000874.3



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_000874 unedited NCCGGTCAAATTTTGTATACGACTCACTATAGGCGGCCGGAATCGGCACCAGCGGCGGG TAGGAATCCC GCCGGCGAGCCGAAAGTTCCCGAGCGCAGCCCGCGGACCACCACCCGGC CGCACGGGCCGCTTTTGTCCCCGCCCGCCGCTTCTGTCCGAGAGGCCGCCCGGAGGCG CATCCTGACCCGAGCGTCCGGTCCCAGAGCCGGCGCGGCTGGGGCCCGAGGCTAGCAT CTCTCGGGAGCCCAAGCGAGAGCTGCAAAGATGTAAAAGTCAAGAGAAGACTCTAAAA ATAGCAAAGATGCTTTTGTAGCCAGAATGCCTTCATCTTCAGATCACTTAATTTGGTTCTC ATGGTGTATATCAGCCTCGTGTGGTATTTTCATATGATTCGCCTGATTACACAGATGAA TCTTGCACTTTCAAGATATCATTGCGAAATTTCCGGTCCATCTTATCATGGGAATTA AACCCTCCATTGTACCAACTCACTATACATTGCTGTATAACAATCATGAGTAAACCAGAA GATTTGAAGGTGGTTAAGAAGTGTGCAAATACCACAAGATCATTTTGTGACCTCACAGAT GAGTGGAGAAGCACACACGAGGCCTATGCACCGTCTAGAAGGATTCAGCGGGAACACA ACGTTGTTCAAGTGTCTACACAATTTCTGGCTGGCCATAGACATGTCTTTGAACCACCA GAGTTTGAGATTGTTGGTCTACCAACCACATTAATGTGATGGTAAAATTTCCATCTATT GTTGAGGAAGATTACAGTNTGATTTATCTCTCGTCATTGAAGACAGTCAGAGGNAATTTG TAGAAGCATNAACCCGAATANAGGANACATGAGTGGAAATTTACCTATTCATTGACAGNT
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_000874 unedited TTTTTTTTTTTTTTTTTTCAGCTGTACTGTTTGCTCTTTATTTTCTACATAATAAACTTA ATCACTGGGGCACAGGGATGCACGCTTGTAAATCCCAGCTACTGGGGAAGCTTAGGCAGGA CGACTGTTTGAGCTCAGGAGTTTCAGACTGTAGTGCATTATGACTGCACCTGTGAATAGC CACTGCATTCCAGCCCTTAGCGAGACCTTGCCCAAGACTTTGGGGAGGCTATTTCTTAA GCATATATAACCAATCCATTTTCAGTGTCACTATGGTGTGTCAAGACCAATGCTATCAA AAACACAGTAATTATTCCTCCTATTTTGGCAGATTCTGCTGATTCTGATTCTGGCCAGG TGGAAGGAGGGTGCATTTAAGGGAGACTTTTATTACTGCTTGCTCATCACTGTGCTCTAA ATAAACAGATACAGTAGTTCGTGTTTGGAAATTAAGTGTCAATGATATAGGTGAAAT TCCACTCATGTTTCTTTTATTTCCGGGTTATGCTTCTTAAACAATTCCTCTGACTGTTC TTCNATGACGAGAGATAAATCAAAGTGAATTTCTCTCAACAATAGATGGGAATTTCCAC CATCACATTAATGT
Restriction Sites:	NotI-NotI
ACCN:	NM_000874
Insert Size:	1290 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:	<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_000874.3</u> , <u>NP_000865.2</u>

RefSeq Size:	1428 bp
RefSeq ORF:	996 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:	<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 (2) differs in the 5' UTR, 3' UTR, and 3' 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>