

Product datasheet for **SC334724**

IFNAR2 (NM_001289128) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IFNAR2 (NM_001289128) Human Untagged Clone
Tag:	Tag Free
Symbol:	IFNAR2
Synonyms:	IFN-alpha-REC; IFN-R; IFNABR; IFNARB; IMD45
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001289128, the custom clone sequence may differ by one or more nucleotides

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ATGCTTTTGAGCCAGAATGCCTTCATCTTCAGATCACTTAATTTGGTTCTCATGGTGATATCAGCCTCG
TGTTTGGTATTTTCATATGATTCGCCTGATTACACAGATGAATCTTGCCTTTCAAGATATCATTGCGAAA
TTTCCGGTCCATCTTATCATGGGAATTAATAAACCCTCCATTGTACCACTCACTATACATTGCTGTAT
ACAATCATGAGTAAACCAGAAGATTTGAAGGTGGTTAAGAAGTGTGCAAATACCACAAGATCATTTTGTG
ACCTCACAGATGAGTGGAGAAGCACACACGAGGCCTATGTCACCGTCTAGAAAGGATTACGCGGGAACAC
AACGTTGTTGAGTTCACACAATTTCTGGCTGGCCATAGACATGTCTTTGAACCACCAGAGTTTGAG
ATTGTTGGTTTTACCAACCACATTAATGTGATGGTGAATTTCCATCTATTGTTGAGGAAGAATTACAGT
TTGATTTATCTCTCGTCATTGAAGAACAGTCAGAGGGAATTGTTAAGAAGCATAAACCCGAAATAAAGG
AAACATGAGTGGAAATTTACCTATATCATTGACAAGTTAATTCAAAACCGAACTACTGTGTATCTGTT
TATTTAGAGCACAGTGATGAGCAAGCAGTAATAAAGTCTCCCTTAAAATGCACCCTCCTTCCACCTGGCC
AGGAATCAGAATTTTCATAA
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001289128
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).



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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_001289128.1</u> , <u>NP_001276057.1</u>
RefSeq Size:	2835 bp
RefSeq ORF:	720 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 (6) differs in the 5' UTR and lacks an alternate in-frame exon, which results in a frameshift and early termination of translation, compared to variant 1. The encoded protein (isoform c) has a shorter and distinct C-terminus, compared to isoform a. Variants 5 and 6 both encode isoform c.</p>