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Product datasheet for SC336558

IFNAR2 (NM_001289125) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: IFNAR2 (NM_001289125) Human Untagged Clone

Tag: Tag Free

Symbol: IFNAR2

Synonyms: IFN-alpha-REC; IFN-R; IFNABR; IFNARB; IMD45

Vector: pCMV6-Entry (PS100001)

Fully Sequenced ORF:

>SC336558 representing NM_001289125.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGCTTTTGAGCCAGAATGCCTTCATCTTCAGATCACTTAATTTGGTTCTCATGGTGTATATCAGCCTC
GTGTTTGGTATTTCATATGATTCGCCTGATTACACAGATGAATCTTGCACTTTCAAGATATCATTGCGA
AATTTCCGGTCCATCTTATCATGGGAATTAAAAAACCACTCCATTGTACCAACTCACTATACATTGCTG
TATACAATCATGAGTAAACCAGAAGATTTGAAGGTGGTTAAGAACTGTGCAAATACCACAAGATCATTT
TGTGACCTCACAGATGAGTGGAGAAGCACACACGAGGCCTATGTCACCGTCCTAGAAGGATTCAGCGGG
AACACAACGTTGTTCAGTTGCTCACACAATTTCTGGCTGGCCATAGACATGTCTTTTGAACCACCAGAG
TTTGAGATTGTTGGTTTTACCAACCACATTAATGTGATGGTGAAATTTCCATCTATTGTTGAGGAAGAA
TTACAGTTTGATTTATCTCTCGTCATTGAAGAACAGTCAGAGGGAATTGTTAAGAAGCATAAACCCGAA
ATAAAAGGAAACATGAGTGGAAATTTCACCTATATCATTGACAAGTTAATTCCAAACACGAACTACTGT
GTATCTGTTTATTTAGAGCACAGTGATGAGCAAGCAGTAATAAAGTCTCCCTTAAAATGCACCCTCCTT
CCACCTGGCCAGGAATCAGAATCAGCAGAATCTGCCAAAATAGGAGGAATAATTACTGTGTTTTTGATA
GCATTGGTCTTGACAAGCACCATAGTGACACTGAAATGGATTGGTTATATATGCTTAAGAAATAGCCTC
CCCAAAGTCTTGAATTTTCATAACTTTTTAGCCTGGCCATTTCCTAACCTGCCACCGTTGGAAGCCATG
GATATGGTGGAGGTCATTTACATCAACAGAAAGAAGAAAGTGTGGGATTATAATTATGATGATGAAAGT
GATAGCGATACTGAGGCAGCGCCCAGGACAAGTGGCGGTGGCTATACCATGCATGGACTGACTGTCAGG
CCTCTGGGTCAGGCCTCTGCCACCTCTACAGAATCCCAGTTGATAGACCCGGAGTCCGAGGAGGAGCCT
GACCTGCCTGAGGTTGATGTGGAGCTCCCCACGATGCCAAAGGACAGCCCTCAGCAGTTGGAACTCTTG
AGTGGGCCCTGTGAGAGGAGAAAGAGTCCACTCCAGGACCCTTTTCCCGAAGAGGACTACAGCTCCACG
GAGGGGTCTGGGGGCAGAATTACCTTCAATGTGGACTTAAACTCTGTGTTTTTGAGAGTTCTTGATGAC
GAGGACAGTGACGACTTAGAAGCCCCTCTGATGCTATCGTCTCATCTGGAAGAGATGGTTGACCCAGAG
GATCCTGATAATGTGCAATCAAACCATTTGCTGGCCAGCGGGGAAGGGACACAGCCAACCTTTCCCAGC
CCCTCTTCAGAGGGCCTGTGGTCCGAAGATGCTCCATCTGATCAAAGTGACACTTCTGAGTCAGATGTT
GACCTTGGGGATGGTTATATAATGAGATGA

Restriction Sites: SgfI-MluI

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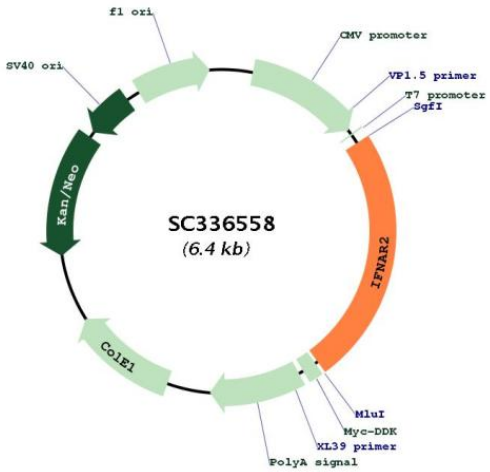
Plasmid Map:



ACCN:	NM_001289125
Insert Size:	1548 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_001289125.1
RefSeq Size:	2966 bp
RefSeq ORF:	1548 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
MW:	57.8 kDa
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. Mutations in this gene are associated with Immunodeficiency 45. [provided by RefSeq, Jul 2020] Transcript Variant: This variant (4) uses an alternate splice site in the 5' UTR, compared to variant 1. Variants 1 and 4 both encode isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.