

Product datasheet for **SC319060**

IFNGR2 (NM_005534) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IFNGR2 (NM_005534) Human Untagged Clone
Tag:	Tag Free
Symbol:	IFNGR2
Synonyms:	AF-1; IFGR2; IFNGT1; IMD28
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_005534 edited
 GCGGGCCCTGCGCGCCCTGCGCTCGCCATGGCGGTTTGGGCGGCGACGTGAGCGGCTCCG
 CGGACCCCGAGCGGGGCCCGGCCGCGACCTGAGCCGCCCGAGCGCCCGGGGCATGC
 GACCGACGCTGCTGTGGTCGCTGCTGCTGCTGCTGCTGCGGAGTCTTCGCCGCCGCCCGCGG
 CCCCAGCAGACCCCTTTCCAGCTGCCCGCTCCTCAGCACCCGAAGATTCGCCTGTACA
 ACGCAGAGCAGGTCTGAGTTGGGAGCCAGTGGCCCTGAGCAATAGCACGAGGCCTGTTG
 TCTACCAAGTGCAGTTTAAATACACCGACAGTAAATGGTTCACGGCCGACATCATGTCCA
 TAGGGGTGAATTGTACACAGATCACAGCAACAGAGTGTGACTTCACTGCCGCCAGTCCCT
 CAGCAGGCTTCCAATGGATTTCAATGTCACTCTACGCCTTCGAGCTGAGCTGGGAGCAC
 TCCATTCTGCCTGGGTGACAATGCCTTGGTTTCAACACTATCGGAATGTGACTGTCGGGC
 CTCCAGAAAACATTGAGGTGACCCAGGAGAAGGCTCCCTCATCATCAGTTTCTCCTCTC
 CCTTTGACATCGCTGATACCTCCACGGCCTTTTTTTGTTATTATGTCCATTACTGGGAAA
 AAGGAGGAATCCAACAGGTCAAAGGCCCTTTCAGAAGCAACTCCATTTTCATTGGATAACT
 TAAAACCTCCAGAGTGTACTGTTTACAAGTCCAGGCACAACCTGCTTTGGAACAAAAGTA
 ACATCTTTAGAGTCGGGCATTTAAGCAACATATCTTGCTACGAAACAATGGCAGATGCCT
 CCACTGAGCTTACGAAGTCATCCTGATCTCCGTGGGAACATTTTCGTTGCTGTCGGTGC
 TGGCAGGAGCCTGTTTCTCCTGGTCTGAAATATAGAGGCCTGATTAATACTGGTTTC
 ACACTCCACCAAGCATCCATTACAGATAGAAGAGTATTTAAAAGACCCAACTCAGCCCA
 TCTTAGAGGCCTTGGACAAGGACAGCTCACAAAGGATGACGTCTGGGACTCTGTGTCCA
 TTATCTCGTTTCCGAAAAGGAGCAAGAAGATGTTCTCCAACGCTTTGAACCAAAGCAT
 GGGCCTAGCCACTGGCTCCCTGGAAGAGATCAAGCCATCGGAGCTGCTAGAGTTCTGTC
 TGGACTTCCAGAGACCAGTATCCCTTTTGTGCCTCTAAAAGGCCTGCTCCTGCAGAC
 ATGAGAGACAGCAGGTCTCATGGGGGTGACAAGCTTTTTTTTTTTTCTTAAAGAATTTTC
 AAAATCAAATTCAGAATGATTTTACGGAGATATCCAGGAAAATTAAGGCTTCTCTTAA
 AACTAAAAGGCATGTAATTGCTTGTAGCAAAATGGATATGACACATCTCTGATACTT
 TTTTCATTATTGGTTGGGCTGAGCAGTCAGAAGACCTGGTCTGCTCTTACTTTGGCAA
 ATGAGCCGGAGCCCTTGGGCGAGTACACAACCTGTCCAGCGAGGGACACCGAGTGGC
 CCTTCATGTACATCCATGGTGTGCTGGCTTAAATGTAATTAATCTTGTAAATATACTCC
 TAGTAATTTAAGATTTTGTTTTTAACTGGAAATAAAAGATTGTATAGTGCATGTTTTTT
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_005534

Insert Size: 1700 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).

OTI Annotation: no

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_005534.2 , NP_005525.2
RefSeq Size:	2219 bp
RefSeq ORF:	1014 bp
Locus ID:	3460
UniProt ID:	P38484
Cytogenetics:	21q22.11
Domains:	FN3
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway, Natural killer cell mediated cytotoxicity
Gene Summary:	This gene (IFNGR2) encodes the non-ligand-binding beta chain of the gamma interferon receptor. Human interferon-gamma receptor is a heterodimer of IFNGR1 and IFNGR2. Defects in IFNGR2 are a cause of mendelian susceptibility to mycobacterial disease (MSMD), also known as familial disseminated atypical mycobacterial infection. MSMD is a genetically heterogeneous disease with autosomal recessive, autosomal dominant or X-linked inheritance. [provided by RefSeq, Jul 2008]