

Product datasheet for **SC321055**

IFNGR1 (NM_000416) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IFNGR1 (NM_000416) Human Untagged Clone
Tag:	Tag Free
Symbol:	IFNGR1
Synonyms:	CD119; IFNGR; IMD27A; IMD27B
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_000416.1
 GACGTAAGGCCGGGGCTGGAGGGCAGTGCCTGGGCTGGTCCCGCAGGCGCTCGGGGTGGA
 GCCAGCGACCGTCGGTAGCAGCATGGCTCTCCTTTCTCCTACCCCTTGTATGCAGGG
 TGTGAGCAGGGCTGAGATGGGCACCGGGATCTGGGGCCGTCCTCAGTGCCTACACCAAC
 TAATGTTACAATTGAATCCTATAACATGAACCCTATCGTATATTGGGAGTACCAGATCAT
 GCCACAGTCCCTGTTTTACCCTAGAGGTAAGAAGTATGGTGTAAAGAATTCAGAATG
 GATTGATGCCTGCATCAATATTTCTCATATTATTGTAATATTTCTGATCATGTTGGTGA
 TCCATCAAATTTCTTTGGGTCAGAGTTAAAGCCAGGGTTGGACAAAAAGAATCTGCCTA
 TGCAAAGTCAGAAGAATTTGCTGTATGCCGAGATGGAAAAATTGGACCACCTAAACTGGA
 TATCAGAAAGGAGGAGAAGCAAATCATGATTGACATATTTACCCTTCAGTTTTGTAA
 TGGAGACGAGCAGGAAGTCGATTATGATCCCGAAACTACCTGTTACATTAGGGTGTACAA
 TGTGTATGTGAGAATGAACGGAAGTGAATCCAGTATAAAATACTCACGCAGAAGGAAGA
 TGATTGTGACGAGATTCACTGCCAGTTAGCGATTCCAGTATCCTCACTGAATTCTCAGTA
 CTGTGTTTCAGCAGAAGGAGTCTTACATGTGTGGGGTGTACAACGAAAAGTCAAAGA
 AGTTTGTATTACATTTTCAATAGCAGTATAAAAGTTCTCTTTGGATTCCAGTTGTTGC
 TGCTTTACTACTCTTTCTAGTGCTTAGCCTGGTATTCATCTGTTTTTATATAAGAAAAT
 TAATCCATTGAAGGAAAAAGCATAATATTACCCAAGTCCTTGATCTCTGTGGTAAAGAAG
 TGCTACTTTAGAGACAAAACCTGAATCAAAATATGTATCACTCATCACGTACATCCAGCC
 ATTTTCTTTAGAAAAGGAGGTGGTCTGTGAAGAGCCGTTGTCTCCAGCAACAGTTCAGG
 CATGCATACCGAAGACAATCCAGGAAAAGTGGAAACATACAGAAGAATTTCTAGTATAAC
 AGAAGTGGTGACTACTGAAGAAAATATTCCTGACGTGGTCCCGGGCAGCCATCTGACTCC
 AATAGAGAGAGAGAGTCTTACCTTTAAGTAGTAACCACTGAACTGGCAGCATCGC
 TTTAAACTCGTATCACTCCAGAAATTTCTGAGAGTATCACTCCAGAAATGGTTTTGA
 TACTGATTCAGCTGTCTGGAATCACATAGCTCCTTATCTGACTCAGAATTTCCCCCAAA
 TAATAAAGGTGAAATAAAAAACAGAAGGACAAGAGCTCATAAACCGTAATAAAGCCCCAC
 CTCCTTTGGTTATGATAAACACATGTGCTAGTGGATCTACTTGTGGATGATAGCGGTAA
 AGAGTCTTGATTGGTTATAGACCAACAGAAGATCCAAAGAATTTTCATGAGATCAGCT
 AAGTTGCACCAACTTTGAAGTCTGATTTTCTGGACAGTTTTCTGCTTAAATTCATGAA
 AAGATTATGATCTCAGAAATGTATCTTAGTTGGTATCAACCAATGGAGTGACTTAGTG
 TACATGAAAGCGTAAAGAGGATGTGTGGCATTTCACCTTTGGCTGTAAAGTACAGACT
 TTTTTTTTTTTTTTAAACAAAAAAGCATTGTAACCTTATGAACCTTTACATCCAGATAGG
 TTACCAGTAACGGAACAGTATCCAGTACTCCTGGTCCCTAGGTGAGCAGGTGATGCCCA
 GGGACCTTTGTAGCCACTTCACTTTTTTTTTCTTTCTCTGCCTTGGTATAGCATATGTTT
 TTGTAAGTTTATGCATACAGTAATTTTAAAGTAATTTAGAAAGAAATTTCTGCAAGCTTTTC
 AAAATTGGACTTAAATCTAATTCAACTAATAGAATTAATGGAATATGTAATAGAAAC
 GTGTATATTTTTATGAAACATTACAGTTAGAGATTTTTAAATAAAGAATTTTAAACAA
 AAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_000416

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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_000416.1</u> , <u>NP_000407.1</u>
RefSeq Size:	2059 bp
RefSeq ORF:	1470 bp
Locus ID:	3459
UniProt ID:	<u>P15260</u>
Cytogenetics:	6q23.3
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Transmembrane
Protein Pathways:	Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway, Natural killer cell mediated cytotoxicity
Gene Summary:	<p>This gene (IFNGR1) encodes the ligand-binding chain (alpha) of the gamma interferon receptor. Human interferon-gamma receptor is a heterodimer of IFNGR1 and IFNGR2. A genetic variation in IFNGR1 is associated with susceptibility to Helicobacter pylori infection. In addition, defects in IFNGR1 are a cause of mendelian susceptibility to mycobacterial disease, also known as familial disseminated atypical mycobacterial infection. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1).</p>