

Product datasheet for **SC116713**

IFI27 (NM_005532) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IFI27 (NM_005532) Human Untagged Clone
Tag:	Tag Free
Symbol:	IFI27
Synonyms:	FAM14D; ISG12; ISG12A; P27
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC116713 sequence for NM_005532 edited (data generated by NextGen Sequencing)

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ATGGAGGCCTCTGCTCTCACCTCATCAGCAGTGACCAGTGTGGCCAAAGTGGTCAGGGTG
GCCTCTGGCTCTGCCGTAGTTTTGCCCTGGCCAGGATTGCTACAGTTGTGATTGGAGGA
GTTGTGGCTGTGCCATGGTGCTCAGTGCCATGGGCTTCACTGCGGCGGGAATCGCCTCG
TCCTCCATAGCAGCCAAGATGATGTCCGCGGCGGCCATTGCCAATGGGGTGGAGTTGCC
TCGGGCAGCCTTGTGGCTACTCTGCAGTCACTGGGAGCAACTGGACTCTCCGGATTGACC
AAGTTCATCCTGGGCTCCATTGGGTCTGCCATTGCGGCTGTCATTGCGAGTTCTACTAG
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Clone variation with respect to NM_005532.3



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_005532 unedited NNCAGGTTTCGGATTTGTATACGACTCACTATAGGCGGCCGCAATTCGCACGAGGGGTGA GGTGAGCTTACATTCTCAGGAATCTCCTTCTTTGGGTCTGGCTGAAGTTGAGGATCTC TTAATCTCTAGGCCACGGAATTAACCCGAGCAGGCATGGAGGCCCTCTGCTCTCACCTCAT CAGCAGTGACCAGTGTGGCCAAAGTGGTCAGGGTGGCCTCTGGCTCTGCCGTAGTTTTGC CCCTGGCCAGGATTGCTACAGTTGTGATTGGAGGAGTTGTGGCTGTGCCATGGTGTCTCA GTGCCATGGGCTTCACTGCGGCGGAATCGCCTCGTCTCCATAGCAGCCAAGATGATGT CCGCGCCGGCCATTGCCAATGGGGTGGAGTTGCCTCGGGCAGCCTTGTGGCTACTCTGC AGTCACTGGGAGCAACTGGACTCTCCGGATTGACCAAGTTCATCCTGGGCTCCATTGGGT CTGCCATTGCGGCTGTCATTGCGAGTTCTACTAGCTCCCTGCCCTCGCCCTGCAGAGA AGAGAACCATGCCAGGGGAGAAGGCACCCAGCCATCCTGACCCAGCGAGGAGCCAATAT CCCAAATATACCTGGGGTAAATATACCAAATCTGCATCTCCAGAGGAAAAAAGAAAT AAAGATGAATTGTTGCAACTCANAAAAAAAAAAAAAAAAAAGTCTAGATTGCGGCCG CGGTCATAGCTGTTTCCCTGACAGATCCCGGGTGGCATCCCTGTGACCCCTCCCCAGTGC CTCNTCTGGCCCTGGAAGTGCCACTCCAGTGCCACCAGCCTTGGTCTATAAAATTA GTGCATCATTTTGTCTGACTAGGTGTCTTCTTAATATGGTGAGGGGGGGTTTTTTT AATATAAG</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_005532 unedited CCGCAATCTAGTATCGAGTTTTTTTTTTTTTTTTTTTGGAGTTGCAACAATTCATCTTTATT TCTTATTTTCTCTGGAGATGCAGAATTTGGTATATTTACCCCCAGGTATATTTGGGATA GTTGGCTCCTCGTGGTCAAGATGGCTGGGTGCCTTCTCCCCTGGCATGTTTCTTCTCT CTGAGGGCGAGGGGAGGAGCTATTAACTCGCAATGACAGCCGCAATGGCAGACC CAATGGAGCCCAGGATGAACTTGGTCAATCCGGAGAGTCCAGTTGCTCCCAGTACTGCA GAGTATCCACAAGGCTGCCGAGGCAACTCCACCCCATTTGGCAATGGCCGCCGCGGACA TCATCTTGGCTGCTATGGAGGACGAGGCGATTCCCGCCGAGTGAAGCCCATGGCACTGA GCACCATGGGCACAGCCACAACCTCCTCAATCACAACGTAGCAATCCTGGCCAGGGGCA AAAGTACGGCAGAGCCAGAGGCCACCCTGACCACTTTGGCCCACTGGTCACTGCTGATG AAGTGAGAGCAAAAGCCTCCATGCCTGCTCGGGTAAATCCGTGGCCTANAGAGTAAGAG ATCCTCAACTTCAGCCAGACCCAAAAGAAGGAGAGTTCCCTGAGAATGTGAAGCTGACCTC ACCCTCGTGCCGAATTCGCGCCGCCCTAAGGGAGTCCGATTACAAAATCTGACCGGT CACTAAACCAGCTCTGCTATATAGACCTCAACCGACCACCTTACCGCCATTTGCGTAA CGGGGCGGGGTATACCACATTNTGGAAGTCCCCTTATTTTGTGCCAAACAACCTCCCTG ACCCAATGGGGGAAACTTGAAATCCCCGGAGGTAACGCTTTCGCCCCTTGGGGCCTGCA AACCGCTACCCGGAATAACAGACAACCCAAATCTGCCATAGAAACCCGAAGGCTGTCTG CCTAAGCCCCGGCCTT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_005532
Insert Size:	700 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_005532.3](#), [NP_005523.3](#)

RefSeq Size: 656 bp

RefSeq ORF: 360 bp

Locus ID: 3429

UniProt ID: [P40305](#)

Cytogenetics: 14q32.12

Protein Families: Transmembrane

Gene Summary: Probable adapter protein involved in different biological processes (PubMed:22427340, PubMed:27194766). Part of the signaling pathways that lead to apoptosis (PubMed:18330707, PubMed:27673746, PubMed:24970806). Involved in type-I interferon-induced apoptosis characterized by a rapid and robust release of cytochrome C from the mitochondria and activation of BAX and caspases 2, 3, 6, 8 and 9 (PubMed:18330707, PubMed:27673746). Also functions in TNFSF10-induced apoptosis (PubMed:24970806). May also have a function in the nucleus, where it may be involved in the interferon-induced negative regulation of the transcriptional activity of NR4A1, NR4A2 and NR4A3 through the enhancement of XPO1-mediated nuclear export of these nuclear receptors (PubMed:22427340). May thereby play a role in the vascular response to injury (By similarity). In the innate immune response, has an antiviral activity towards hepatitis C virus/HCV (PubMed:27194766, PubMed:27777077). May prevent the replication of the virus by recruiting both the hepatitis C virus non-structural protein 5A/NS5A and the ubiquitination machinery via SKP2, promoting the ubiquitin-mediated proteasomal degradation of NS5A (PubMed:27194766, PubMed:27777077). [UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) represents an alternate allele that lacks a 9-nt segment in the CDS, as compared to variant 1. The resulting isoform (2) lacks an internal 3 aa segment, as compared to isoform 1. This variant represents a second allele commonly found in the human population.