

## Product datasheet for SC112616

### IFITM3 (NM\_021034) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	IFITM3 (NM_021034) Human Untagged Clone
Tag:	Tag Free
Symbol:	IFITM3
Synonyms:	1-8U; DSPA2b; IP15
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_021034 edited AACCCGACCACCGCTGGTCTTCGCTGGACACCATGAATCACACTGTCCAAACCTTCTTCT CTCCTGTCAACAGTGGCCAGCCCCCAACTATGAGATGCTCAAGGAGGAGCAGAGGTGG CTGTGCTGGGGGCGCCCCACAACCCTGCTCCCCGACGTCCACCGTGATCCACATCCGCA GCGAGACCTCCGTGCCCGACCATGTCGTCTGGTCCCTGTTCAACACCCTTTCATGAACC CCTGCTGCCTGGGCTTCATAGCATTGCGCTACTCCGTGAAGTCTAGGGACAGGAAGATGG TTGGCGACGTGACCGGGGCCAGGCCTATGCCTCCACCGCCAAGTGCCTGAACATCTGGG CCCTGATTCTGGGCATCCTCATGACCATTCTGCTCATCGTCATCCCAGTGCTGATCTTCC AGGCCTATGGATAGATCAGGAGGCATCACTGAGGCCAGGAGCTCTGCCCATGACCTGTAT CCCACGTACTCCAACCTTCATTCTCGCCCTGCCCGGAGCCGAGTCTGTATCAGCCC TTTATCCTCACACGCTTTTCTACAATGGCATTCAATAAAGTGCACGTGTTTCTGGCAAAA AAAAAAAAAAAAA



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_021034 unedited  
 GTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGAACCCGACCACCCTGG  
 TCTTCGCTGGACACCATGAATCACACTGTCCAAACCTTCTTCTCTCTGTCAACAGTGGC  
 CAGCCCCCAACTATGAGATGCTCAAGGAGGAGCACGAGGTGGCTGTGCTGGGGGCGCCC  
 CACAACCTGTCCCCGACGTCCACCGTGATCCACATCCGACGAGACCTCCGTGCC  
 GACCATGTGCTGTGGTCCCTGTTCAACACCCTTTCATGAACCCCTGCTGCCTGGGCTTC  
 ATAGCATTTCGCTACTCCGTGAAGTCTAGGGACAGGAAGATGGTTGGCGACGTGACCGGG  
 GCCCAGGCCTATGCCTCCACCGCAAGTGCCTGAACATCTGGGCCCTGATTCTGGGCATC  
 CTCATGACCATTCTGCTCATCGTCATCCAGTGCTGATCTTCCAGGCCTATGGATAGATC  
 AGGAGGCATCACTGAGGCCAGGAGCTCTGCCATGACCTGTATCCACGTACTCCAACTT  
 CCATTCTCGCCCTGCCCGGAGCCGAGTCTGTATCAGCCCTTATCCTCACACGCTT  
 TTCTACAATGGCATTCAATAANNAGTGCACGTGTTTCTGGCAAAAAAAAAAAAAAAAAAAC  
 TCGACTTAGATTGCGGCCGCGGTATAGCTGTTTCTGAACAGATCCCGGNTGGCATCC  
 CTGTGACCCTNCCCAGTGCCTCTCTGGCCCTGAAAAGTCACTCCAGTGCCACCAGC  
 CTGTCTAATAAAATAAAGTGATCATTTGCTGACTANGTGTCTCATAATATGGTGAGGGG  
 GGGGGGGTNNNNNNACACGGGGCCAANTTAAAACCCGTAGCCCCGGGGGTTATTGG  
 ACAACTGGGAGGCAGGCCATCTGGTAC

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_021034 unedited  
 TTTTTAANNNNNNNNNNTTTGACTTGNNACCGCGCCGACTANGATCGAGTTTTTT  
 TTTTTTTTTTTTGGCAAAACACGTGCACCTTATTGAATGCCATTGTAGAAAACGTGTGAG  
 GATAAAGGGCTGATACAGGACTCGGCTCCGGGGGAGGGGAGGAATGGAAGTTGGAGTA  
 CGTGGGATACAGGTCATGGGCAGAGCTCCTGGCCTCAGTGATGCCTCCTGATCTATCCAT  
 AGGCCTGGAAGATCAGCACTGGGATGACGATGAGCAGAATGGTCATGAGGATGCCAGAA  
 TCAGGGGCCAGATGTTACGGCACTTGGCGGTGGAGGCATAGGCCTGGGCCCGGTACAGT  
 CGCCAACCATCTTCTGTCCCTAGACTTCACGGAGTAGGCGAATGCTATGAAGCCAGGC  
 AGCAGGGGTTTATGAAGAGGGTGTGAACAGGGACCAGACGACATGGTCGGGCACGGAGG  
 TCTCGCTGCGGATGTGGATCACGGTGGACGTGGGGGAGCAGGGTTGTGGGGCGCCCCCA  
 GCACAGCCACCTCGTCTCCTCCTTGGACATCTCATAGTTGGGGGGCCTGGCCACTGTTG  
 ACAGGGAGAGAGAANGTTTGGACAGTGTGATTCATGGTGTCCAGCGAAGACCAGCGGTG  
 GTCGGGTTCTCTCGTCCGAATCGCGGCCGCTATAGTGAGTCGATTACAAAATTCTGAC  
 GGTTCACTAAACGAGCTCTGCTTATATAGACCCTCCACCGTACACGCCTACCGNCCATTT  
 GCGTCAAACGGGCCGGGGTTATTACCAACATTTTAAAAGTCCCCTTGATTTTGGTGCCA  
 AAACCACTCCATTGACCTAATGGGGGGGAACTTGGAAATCCCGGGGGTCAACCGCT  
 TTCCCCCATTTGGGACTGGCAAAACCGATCACAATGGTATAGCGAGACCTAA

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_021034

**Insert Size:**

600 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**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:**

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\\_021034.1](#), [NP\\_066362.1](#)

**RefSeq Size:** 808 bp

**RefSeq ORF:** 402 bp

**Locus ID:** 10410

**UniProt ID:** [Q01628](#)

**Cytogenetics:** 11p15.5

**Domains:** CD225

**Protein Families:** Transmembrane

**Gene Summary:** The protein encoded by this gene is an interferon-induced membrane protein that helps confer immunity to influenza A H1N1 virus, West Nile virus, and dengue virus. Two transcript variants, only one of them protein-coding, have been found for this gene. Another variant encoding an N-terminally truncated isoform has been reported, but the full-length nature of this variant has not been determined. [provided by RefSeq, May 2012]  
Transcript Variant: This variant (1) represents the longer, protein-coding transcript.