

## Product datasheet for RC201635

### IFITM3 (NM\_021034) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** IFITM3 (NM\_021034) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** IFITM3  
**Synonyms:** 1-8U; DSPA2b; IP15  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC201635 representing NM\_021034  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAATCACACTGTCCAACCTTCTTCTCCTGTCAACAGTGGCCAGCCCCCAACTATGAGATGCTCA  
 AGGAGGAGCACGAGGTGGCTGTGCTGGGGCGCCCCACAACCCTGCTCCCCGACGTCCACCGTGATCCA  
 CATCCGCAGCGAGACCTCCGTGCCCGACCATGTCGTCTGGTCCCTGTTCAACACCCTCTTCATGAACCC  
 TGCTGCCTGGGCTTCATAGCATTGCCTACTCCGTGAAGTCTAGGGACAGGAAGATGGTTGGCGACGTGA  
 CCGGGGCCAGGCTATGCCTCCACCGCAAGTGCCTGAACATCTGGGCCCTGATTCTGGGCATCCTCAT  
 GACCATTCTGCTCATCGTCATCCAGTGTGATCTCCAGGCCTATGGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC201635 representing NM\_021034  
 Red=Cloning site Green=Tags(s)

MNHTVQTFSPVNSGQPPNYEMLKEEHEVAVLGAPHNPAPPTSTVIHIRSETSVPDHHVWVSLFNTLFMNP  
 CCLGFIAFAYSVKSRDRKMVGDTVGAQAYASTAKCLNIWALILGILMTILLIVIPVLIFQAYG

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mg3065\\_h06.zip](https://cdn.origene.com/chromatograms/mg3065_h06.zip)

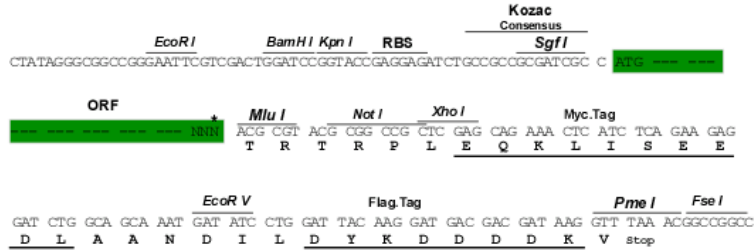
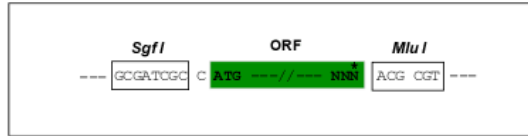
**Restriction Sites:** SgfI-MluI



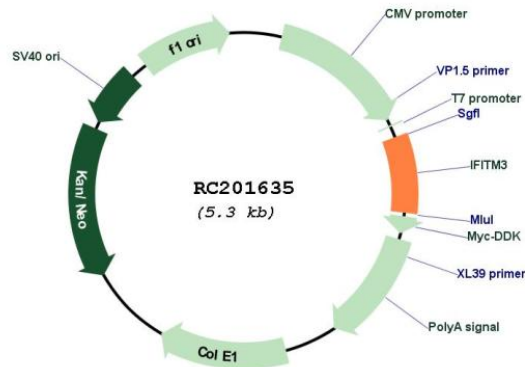
[View online »](#)

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



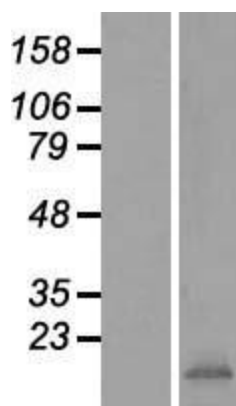
\* The last codon before the Stop codon of the ORF

**Plasmid Map:**


ACCN: NM\_021034

ORF Size: 399 bp

<b>OTI Disclaimer:</b>	<p>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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	<p>This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.</p>
<b>Components:</b>	<p>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).</p>
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_021034.3</a>
<b>RefSeq Size:</b>	808 bp
<b>RefSeq ORF:</b>	402 bp
<b>Locus ID:</b>	10410
<b>UniProt ID:</b>	<a href="#">Q01628</a>
<b>Cytogenetics:</b>	11p15.5
<b>Domains:</b>	CD225
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	14.5 kDa
<b>Gene Summary:</b>	<p>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]</p>

**Product images:**

Western blot validation of overexpression lysate (Cat# [LY412107]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201635 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).