

Product datasheet for **RG201635**

IFITM3 (NM_021034) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: IFITM3 (NM_021034) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: IFITM3
Synonyms: 1-8U; DSPA2b; IP15
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG201635 representing NM_021034
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAATCACACTGTCCAAACCTTCTTCTCTCTGTCAACAGTGGCCAGCCCCCAACTATGAGATGCTCA
 AGGAGGAGCACGAGGTGGCTGTGCTGGGGCGCCCCACAACCCTGCTCCCCGACGTCCACCGTGATCCA
 CATCCGCAGCGAGACCTCCGTGCCCGACCATGTCGTCTGGTCCCTGTTCAACACCCTTTCATGAACCC
 TGCTGCCTGGGCTTCATAGCATTTCGCTACTCCGTGAAGTCTAGGGACAGGAAGATGGTTGGCGACGTGA
 CCGGGGCCAGGCTATGCCTCCACCGCAAGTGCCTGAACATCTGGGCCCTGATTCTGGGCATCCTCAT
 GACCATTCTGCTCATCGTCATCCAGTGTGATCTCCAGGCCTATGGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG201635 representing NM_021034
 Red=Cloning site Green=Tags(s)

MNHTVQTFVSPVNSGQPPNYEMLKEEHEVAVLGAPHNPAPPTSTVIHIRSETSVDPHVVWVSLFNTLFMNP
 CCLGFIAFAYSVKSRDRKMGVDVTGAQAYASTAKCLNIWALILGILMTILLIVIPVLIFQAYG

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_021034

ORF Size: 399 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 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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_021034.3](#)

RefSeq Size: 808 bp

RefSeq ORF: 402 bp

Locus ID: 10410

UniProt ID: [Q01628](#)

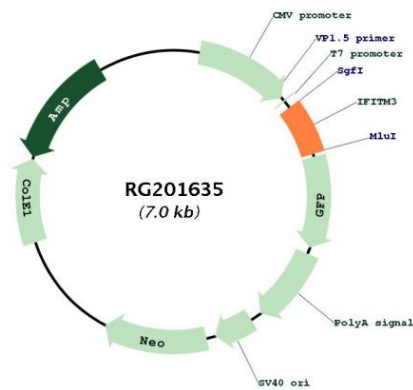
Cytogenetics: 11p15.5

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]

Product images:



Circular map for RG201635