

Product datasheet for RG235791

IFI27 (NM 001288952) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: IFI27 (NM 001288952) Human Tagged ORF Clone

Tag: TurboGFP

Symbol: IFI27

Synonyms: FAM14D; ISG12; ISG12A; P27

Mammalian Cell Neomycin

Selection:

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >RG235791 representing NM_001288952.
Sequence: Blue=ORF Red=Cloning site Green=Tag(s)

GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ATGGAGGCCTCTGCTCTCACCTCATCAGCAGTGACCAGTGTGGCCAAAGTGGTCAGGGTGGCCTCTGGC
TCTGCCGTAGTTTTGCCCCTGGCCAGGATTGCTACAGTTGTGATTGGAGGAGTTGTGGCCATGGCGGCT
GTGCCCATGGTGCCATGGGCTTCACTGCGGCGGGAATCGCCTCGTCCTCCATAGCAGCCAAG
ATGATGTCCGCGGCGGCCATTGCCAATGGGGGTGGAGTTGCCTCGGGCAGCCTTGTGGCTACTCTGCAG
TCACTGGGAGCAACTGGACTCTCCGGATTGACCAAGTTCATCCTGGGCTCCATTGGGTCTGCCATTGCG

GCTGTCATTGCGAGGTTCTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC

Protein Sequence: >Peptide sequence encoded by RG235791

Blue=ORF Red=Cloning site Green=Tag(s)

MEASALTSSAVTSVAKVVRVASGSAVVLPLARIATVVIGGVVAMAAVPMVLSAMGFTAAGIASSSIAAK

MMSAAAIANGGGVASGSLVATLQSLGATGLSGLTKFILGSIGSAIAAVIARFY

TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYYSSVVDSHMHFKSAIHPSILQNGGPMFA

FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: Sgfl-Mlul



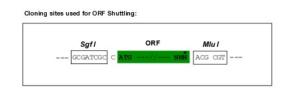
OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

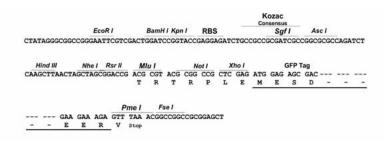
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com

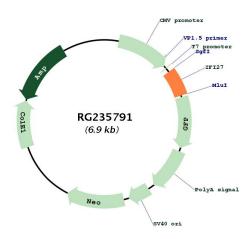


Cloning Scheme:





Plasmid Map:



ACCN: NM_001288952

ORF Size: 366 bp

OTI Disclaimer: 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



IFI27 (NM_001288952) Human Tagged ORF Clone - RG235791

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).

RefSeq: <u>NM 001288952.2</u>

 RefSeq Size:
 734 bp

 RefSeq ORF:
 369 bp

 Locus ID:
 3429

 UniProt ID:
 P40305

 Cytogenetics:
 14q32.12

Protein Families: Transmembrane

MW: 12 kDa

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]