

## Product datasheet for **RG235792**

### IFI27 (NM\_001288956) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** IFI27 (NM\_001288956) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** IFI27  
**Synonyms:** FAM14D; ISG12; ISG12A; P27  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG235792 representing NM\_001288956.  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGGCTCTGCTCTCACCTCATCAGCAGTGACCAGTGTGGCCAAAGTGGTCAGGGTGGCCTCTGGC
TCTGCCGTAGTTTTGCCCTGGCCAGGATTGCTACAGTTGTATTGGAGGAGTTGTGCCATGGCGGCT
GTGCCATGGTGCTCAGTGCCATGGGCTTCACTGCGGCGGAATCGCCTCGTCTCCATAGCAGCCAAG
ATGATGTCGCGGCGGCCATTGCCAATGGGGTGGAGTTGCCTCGGCAGCCTTGTGGCTACTCTGCAG
TCACTGGGAGCAACTGGACTCTCCGATTGACCAAGTTCATCCTGGGCTCATTGGGCTGCCATTGGC
GCTGTCATTGCGAGGTTCTAC
ACGCGTACGCGGCGCTCGAG - GFP Tag - GTTTAAAC
```

**Protein Sequence:** >Peptide sequence encoded by RG235792  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MEASALTSSAVTSVAKVVRVASGSAVVLPARIATVVIGGVVMAAAMPVLSAMGFTAAGIASSSIAAK
MMSAAAIANGGGVASGLVATLQSLGATGLSGLTKFILGSIGSAIAAVIARFY
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKAISHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

**Restriction Sites:** Sgfl-MluI



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<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>RefSeq:</b>	<a href="#">NM_001288956.2</a>
<b>RefSeq Size:</b>	647 bp
<b>RefSeq ORF:</b>	369 bp
<b>Locus ID:</b>	3429
<b>UniProt ID:</b>	<a href="#">P40305</a>
<b>Cytogenetics:</b>	14q32.12
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	12 kDa
<b>Gene Summary:</b>	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]