

## 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 Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG235791 representing NM_001288952. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTGCTGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGAGGCTCTGCTCTCACCTCATCAGCAGTGACCAGTGTGGCCAAAGTGGTCAGGGTGGCCTCTGGC
TCTGCCGTAGTTTTGCCCTGGCCAGGATTGCTACAGTTGTGATTGGAGGAGTTGTGCCATGGCGGCT
GTGCCCATGGTGCTCAGTGCCATGGGCTTCACTGCGGCGGAATCGCCTCGTCTCCATAGCAGCCAAG
ATGATGTCGCGGCGGCCATTGCCAATGGGGTGGAGTTGCCTCGGCAGCCTTGTGGCTACTCTGCAG
TCACTGGGAGCAACTGGACTCTCCGATTGACCAAGTTCATCCTGGGCTCCATTGGGCTGCCATTGGC
GCTGTCATTGCGAGGTTCTAC
ACGCGTACGCGGCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence:	>Peptide sequence encoded by RG235791 Blue=ORF Red=Cloning site Green=Tag(s)
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MEASAL TSSAVTSVAKVVRVASGSAVVLPLARIATVVIGGVVMAAAVPMVLSAMGFTAAGIASSSIAAK
MMSAAAIANGGGVASGSLVATLQSLGATGLSGLTKFILGSI GSAIAAVIARFY
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
SVIFTDKIIRS NATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
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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_001288952.2</a>
<b>RefSeq Size:</b>	734 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]