

Product datasheet for **SC210451**

IFIT3 (NM_001549) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Symbol:	IFIT3
Synonyms:	CIG-49; cig41; GARG-49; IFI60; IFIT4; IRG2; ISG60; P60; RIG-G
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PSI00062)
ACCN:	NM_001549
Insert Size:	870 bp
Insert Sequence:	>SC210451 3'UTR clone of NM_001549 The sequence shown below is from the reference sequence of NM_001549. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site <pre> GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAGCGATCGCC CTCCTCTCTAACTCAGAGCAACTGAACAGACAGAGGAGGAAAACAGAGCATCAGAAGCCTGCAGTGG TGGTTGTGACGGGTAGGACGATAGGAAGACAGGGGGCCCCAACCTGGGATTGCTGAGCAGGGAAGCTTT GCATGTTGCTCTAAGGTACATTTTTAAAGAGTTGTTTTTGGCCGGGCGCAGTGGCTCATGCCTGTAAT CCCAGCACTTTGGGAGGCCGAGGTGGCGGATCACGAGGTCTGGAGTTTGAGACCATCCTGGCTAACAC AGTGAAATCCCGTCTCTACTAAAAATACAAAAAATTAGCCAGGCGTGGTGGCTGGCACCTGTAGTCCCA GCTACTTGGGAGGCTGAGGCAGGAGAATGGCGTGAACCTGGAAGGAAGAGGTTGCAGTGAGCCAAGATT GCGCCCTGCACTCCAGCCTGGGCAACAGAGCAAGACTCCATCTCAAAAAAAAAAAAAAAAAAAAAA GAGTTGTTTTCTCATGTTTATTATAGTTTACAGTTACATAGTCCGAAGGTTTACAACCTAATCACT GGTAGCAATAAATGCTTCAGGCCCATGATGCTGATTAGTTCTCAGTTTTTATTGAGTTTACAATATA ACCACCATTCCTGCCCTCCCTGCCAAGGGTCATAAATGGTGACTGCCTAACACAAAATTTGCAGTCTC ATCTCATTTTTCATCCAGACTTCTGGAACCTCAAAGATTAACCTTTGACTAACCTGGAATATCTTATC TCACTTATAGCTTCAGGCATGTATTTATATGATTCTTGATAGCAATACCATAATCAATGTGTATTCTT GATAGTAATGCTACAATAAATCCAAACATTTCAACTCTGTTA ACGCGTAAGCGGCCGCGGCATCTAGATTGGAAGAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG </pre>
Restriction Sites:	SgfI-MluI



OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001549.6</u>
Summary:	IFN-induced antiviral protein which acts as an inhibitor of cellular as well as viral processes, cell migration, proliferation, signaling, and viral replication. Enhances MAVS-mediated host antiviral responses by serving as an adapter bridging TBK1 to MAVS which leads to the activation of TBK1 and phosphorylation of IRF3 and phosphorylated IRF3 translocates into nucleus to promote antiviral gene transcription. Exhibits an antiproliferative activity via the up-regulation of cell cycle negative regulators CDKN1A/p21 and CDKN1B/p27. Normally, CDKN1B/p27 turnover is regulated by COPS5, which binds CDKN1B/p27 in the nucleus and exports it to the cytoplasm for ubiquitin-dependent degradation. IFIT3 sequesters COPS5 in the cytoplasm, thereby increasing nuclear CDKN1B/p27 protein levels. Upregulates CDKN1A/p21 by downregulating MYC, a repressor of CDKN1A/p21. Can negatively regulate the apoptotic effects of IFIT2.[UniProtKB/Swiss-Prot Function]
Locus ID:	3437
MW:	32.2