

Product datasheet for **SC216990**

IFIT2 (NM_001547) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	IFIT2 (NM_001547) Human 3' UTR Clone
Symbol:	IFIT2
Synonyms:	cig42; G10P2; GARG-39; IFI-54; IFI-54K; IFI54; IFIT-2; ISG-54 K; ISG-54K; ISG54; P54
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001547
Insert Size:	1926 bp



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Insert Sequence: >SC216990 3'UTR clone of NM_001547
 The sequence shown below is from the reference sequence of NM_001547. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CCTTCAGCATCAAGCTGGAATGGGGAATGAAGAATAGAGATGTGGTGCCACTAGGCTACTGCTGAAAG
GGAGCTGAAATTCCTCCACCAAGTTGGTATTCAAATATGTAATGACTGGTATGGCAAAAGATTGGACT
AAGACTGGCCATACCACTGGACAGGGTTATGTTAACACCTGAATTGCTGGGTCTTGAGAGAGCCCAA
GGAGTTCTGGGAGAGGGACCAGATTGGGGGTAGGTCCACGGGCTTGGTATAGAATTTTCTCGATT
GACTTCTTGAGTGAATTTGAACTGTAACATTTGCTTAGTCACCTTTAGTGGAGTAATCTACTGGGCTT
GTTTCTATATTTATATAAAGCAGCCAAATCCTTCATGTAATTTGAAGTCCATTTTGAATGTTGTTT
CATACTGGAGTCATTTTGCATCCCATAGAGGTTAGTCTGCATAGCCAGTAATGTGCTAAGTTCATCC
AAAAGCTGGCGGACCAAAGTCTAAATAGGGCTCAGTATCCCCATCGCTTATCTCTGCCTCCTTCTCC
TCCTTCCAGTCTATCATCAACCTTGAGTATTCTACACAATGTGAATTCAGTGCCTGATTAATTGAGG
TGGCAACATAGTTTGAGACGAGGGCAGAGAACAGGAAGATACATAGCTAGAAGCGACGGGTACAAAAAG
CAATGTGTACAAGAAGACTTTCAGCAAGTATACAGAGAGTTACCTCTACTCTGCCTCCTCATAGTCA
TAATGTAGCAAGTAAAGAATGAGAATGGATTCTGTACAATACACTAGAAACCAACATAATGTATTCTT
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GACGGTAGGAAAGCAACAAAACGTGGGAACCTGGTGACTAAGGGCCTGGTGAAGGACTTGGGAAATGT
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GTATTCCTGAAAATGTCATATATTTTCATTAATAAATAACCTAAATATGATAAAACATAAAGCAGTGT
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TTTCTCAGCTTTAAGAGTCCAGGGCTTCGGATAACAGCTGCCATCTGCCACCTGTACCATTGACCTA
CGTGAACACAGACATTCTGTCTCCACCTTGATGGTGGGTGGGCTGCTCCCTTTTCTTTGTTAAATTTT
GTGCTTTCATCACATTTTCTCTATTCTGACCTCTGTTATGAGAAAATAAAGTCACTGATTCCA
ACGCGT AAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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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.

RefSeq: [NM_001547.5](#)

Summary:	IFN-induced antiviral protein which inhibits expression of viral messenger RNAs lacking 2'-O-methylation of the 5' cap. The ribose 2'-O-methylation would provide a molecular signature to distinguish between self and non-self mRNAs by the host during viral infection. Viruses evolved several ways to evade this restriction system such as encoding their own 2'-O-methylase for their mRNAs or by stealing host cap containing the 2'-O-methylation (cap snatching mechanism). Binds AU-rich viral RNAs, with or without 5' triphosphorylation, RNA-binding is required for antiviral activity. Can promote apoptosis.[UniProtKB/Swiss-Prot Function]
Locus ID:	3433
MW:	73.4