

Product datasheet for **RC238465**

IFIT1 (NM_001270927) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IFIT1 (NM_001270927) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	IFIT1
Synonyms:	C56; G10P1; IFI-56; IFI-56K; IFI56; IFIT-1; IFNAI1; ISG56; P56; RNM561
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC238465 representing NM_001270927
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTGTACAAATGGTGATGATCATCAGGTCAAGGATAGTCTGGAGCAATTGAGATGTCACTTTACATGGG
 AGTTATCCATTGATGACGATGAAATGCCTGATTTAGAAAACAGAGTCTTGATCAGATTGAATTCCTAGA
 CACCAAATACAGTGTGGGAATACACAACCTACTAGCCTATGTGAAACACCTGAAAGGCCAGAATGAGGAA
 GCCCTGAAGAGCTTAAAAGAAGCTGAAAACCTAATGCAGGAAGAACATGACAACCAAGCAATGTGAGGA
 GTCTGGTGACCTGGGCAACTTTGCCTGGATGTATTACCACATGGGCAGACTGGCAGAAGCCAGACTTA
 CCTGGACAAGGTGGAGAACATTTGCAAGAAGCTTTCAAATCCCTTCGCTATAGAATGGAGTGTCCAGAA
 ATAGACTGTGAGGAAGGATGGGCCTTGTGAAGTGTGGAGGAAAAAATTGAACGGGCCAAGGCCTGCT
 TTGAAAAGGTGCTTGAAGTGGACCCTGAAAACCCTGAATCCAGCGCTGGGTATGGCATCTCTGCCTATCG
 CCTGGATGGCTTTAAATTAGCCACAAAAATCACAAAGCCATTTTCTTTGCTTCCCCTAAGGCAGGCTGTC
 CGCTTAAATCCAGACAATGGATATATTAAGGTTCTCCTTGCCCTGAAGCTTCAGGATGAAGGACAGGAA
 CTGAAGGAGAAAAAGTACATTGAAGAAGCTCTAGCCAACATGTCCTCACAGACCTATGCTTTTCGATATGC
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 AGGCTACAAAAGGGCAGCCTAGAGGGCAGAACAGAGAAAAGCTAGACAAAATGATAAGATCAGCCATATT
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 AAGAAACAATGCAAGACATACATTTCCACTATGGTCGGTTTCAGGAATTTCAAAAAGAAATCTGACGTCAA
 TGCAATTATCCATTATTTAAAAGCTATAAAAAATAGAACAGGCATCATTAACAAGGGATAAAAAGTATCAAT
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 GGTTCTGCTACAAATTGGAAGGAAATATGAATGAAGCCCTGGAGTACTATGAGCGGGCCCTGAGACTGGC
 TGCTGACTTTGAGAACTCTGTGAGACAAGGTCCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238465 representing NM_001270927
 Red=Cloning site Green=Tags(s)

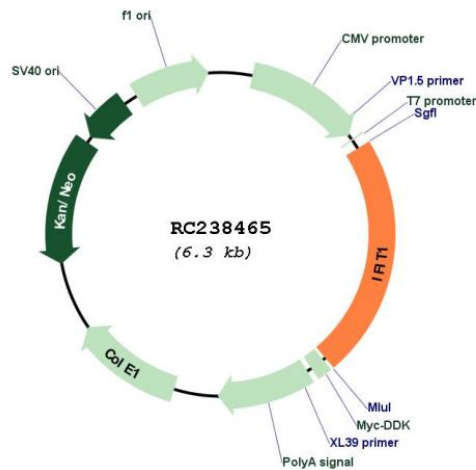
MCTNGDDHQVKDSLEQLRCHFTWELSIDDEMPDLENRVLDQIEFLDTKYSVGIHNLAYVKHLKGQNEE
 ALKSLKEAENLMQEEHDNQNANVRSVLTWGNFAWMYHMGRLAEAQTYLDKVENICKKLSNPFYRMECP
 IDCEEGWALLKCGGKNYERAKACFEKVLEVDPENPESSAGYASAYRLDGFKLATKNHKPFSLLPLRQAV
 RLNPDNQYIKVLLALKLQDEGQEAEGEKYIEEALANMSSQTYVFRYAAKFYRRKGSVDKALELLKKALQE
 TPTSVLLHHQIGLYKAQMIQIKEATKGQPRGQNRKLDKMIRSAIFHFESAVEKKPTFEVAHLDLARMY
 IEAGNHRKAEENFQKLLCMKPVVEETMQDIHFHYGRFQEFQKSDVNAI IHYLKAIKIEQASL TRDKSIN
 SLKLVLRKLRKALDLESL SLLGFVYKLEGNMNEALEYERALRLAADFENSVRQGP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001270927

ORF Size: 1434 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](#)

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).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001270927.2](#)

RefSeq Size: 4493 bp

RefSeq ORF: 1437 bp

Locus ID: 3434

Cytogenetics: 10q23.31

MW: 55.8 kDa

Gene Summary: This gene encodes a protein containing tetratricopeptide repeats that was originally identified as induced upon treatment with interferon. The encoded protein may inhibit viral replication and translational initiation. This gene is located in a cluster on chromosome 10 with five other closely related genes. There is a pseudogene for this gene on chromosome 13. Alternatively spliced transcript variants encoding multiple isoforms have been observed. [provided by RefSeq, Aug 2012]