

Product datasheet for **RR211847**

Ifit1 (NM_020096) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ifit1 (NM_020096) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ifit1
Synonyms:	Garg16
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR211847 representing NM_020096
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGAGAGAATGCTGGTGGTGACCAGGTCATGGAGAATCTGCTTCAGCTGAGATGTCACCTCACATGGG
 GCCTGCTTTCGAAAAAATGACATACCTGATTTGGAAGTGAGGATCTCAGAGCAGGTCCAGTTCCTTGA
 CATCAAGAACTACTGGGGATGCACAACCTCCAGGCCTACGTGAGACACCTGAAAGGTGAGCAGGAGGAA
 GCCCTGCAGAGCTTGAAGAGGGCTGAAGCCTTGATCGAGGGAGAGCAGTTGGGCAAGAGAAGCCTGGTGA
 CCTGGGGCAACTGTGCCTGGGTGCATTACCACAGGGGCAGCTTGGCAGAAGCCCAGATCTACCTGGACAA
 GGTGGAGAATGTTTGCAGGGAATCTCAAGTCCCTTCCGCTACAGGATGGAGTGTGCTGAGATAGACTGT
 GAGGAAGGCTGGCCTTGTGAAGTGTGGAGGAAGTAATAATGCGAGCCATGGCCTGCTTTGCAAAGG
 CTCTGCAGGTGGACCCAGAAAACCTGAGTACAATGCTGGCTATGCAGTTGTGGCCTATCGCCAAGATTT
 CGATGACAACCATGTTTCTCTAGAACCCTAAGGAAGGCTGTGAGTTAAATCCAGAAGATCCACACCTT
 AAAGTTCTCCTTGTCTAAAGCTTCAGGATTTAGGGGAACAAGATGAAGCAGAAAACACACATTGAAGAAG
 CCCTCAGCAGCACATCTTGCCAAAGCTATGTCTTTCGCTACGCAGCCAAATATTTCCGCCGAAAGGTGA
 CATAAACGAAGCTCTTACTTCTACACAGGGCCTTGACAGCTCACCTTCTCTGGCTACCTACATTAC
 CAAAAAGGGCTCTGTTACAAGCAACAGATGATCCAACCTGAAGACATCTGGAAACAGGCAGGCCAGAAGGC
 AGGAGAATATACAGGAATTGGCACATCAGGCCATTTGTGAATTTCAAGAGACTTTGAATCTGAGGCCAC
 ATTTGAGATGGCTTACGTTTGCATGGCTGAAATGCAGGCAGAAATGGCCAATATGAAGAAGCAGAGGGA
 AATTTCCAGGAGGCCCTGAACCTCAACAACCTTGTAGCCACATAGAGCAGGATATTCATTTCCGCTACG
 GCCGTTCCCAACAATTTATAAGAAGTCAGAAGCAAGGCAATCACTACTTAAAAGGTCTAAAAT
 AGAAGAGAAGTCCTTTGCCTGGAGGAACTACTCACAGCTTTGGAGAAAGTGGCTGAAAGACGTGTTTCGC
 CAGAATGTCCGGCTTGTGGAGAGCACCAGCCTTCTGGACTGGTCTTCAAAGTGAAGGGCAGGAGATGA
 AGGCCCTGCTTTACTATGAGAAGGCCCTGAGGCTCTCTGGGAAATGAACCCTGCATTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR211847 representing NM_020096
 Red=Cloning site Green=Tags(s)

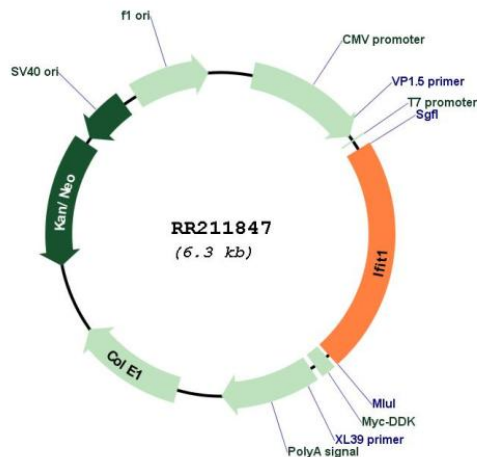
MGENAGGDQVMENLLQLRCHFTWGLLFEKNDIPDLEVRISEQVQFLDIKNSLGMHNLQAYVRHLKGEQEE
 ALQSLKEAEALIEGEQLGKRSLVTWGNCAWVHYHRGSLAEAQIYLDKVENVCREFSPPFRYRMECAEIDC
 EEGWALLKCGGSNYMRAMACFAKALQVDPENPEYNAGYAVVAYRQDFDDNHVSLEPLRKAVRLNPEDPHL
 KVLLALKLQDLGEQDEAETHIEEAL SSTSCQSYVFRYAAYFRFRKGDINEALHLLHRALQTSPPSSGYLHY
 QKGLCYKQMIQLKTSNRRQARRQENIQELAHQAICEFQETLNLRPTFEMAYVCMEMQAEIGQYEEAEG
 NFQEALNLLVAHIEQDIHFRYGRSQFHKKSEDKAITHYLKGLKLEEKSFARWKLLEKVAERRVR
 QNVRLVESTSLGLVFKLKGQEMKALLYEKALRLSGEMNPAF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_020096

ORF Size: 1389 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_020096.1](#), [NP_064481.1](#)

RefSeq Size: 2174 bp

RefSeq ORF: 1392 bp

Locus ID: 56824

Cytogenetics: 1q53

MW: 53.4 kDa

Gene Summary: responses to dexamethasone and other inflammatory stimuli [RGD, Feb 2006]