

## Product datasheet for **RR201645**

### Ifit3 (NM\_001007694) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ifit3 (NM_001007694) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ifit3
Synonyms:	MGC94037
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR201645 representing NM_001007694 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGTGAGGTCAACAAGGAGTCTCTGGAAAAATCCTTCTCACTTAAGTGCCATTTACCTGGAATT  
TATTCAAGGAAGGAAGCATCTCAAGTCATATGGAAGACAGGGTGTGAACCAGATCGAAAATTTAAACT  
TGAGCACAAAGCGACAATGTATGACTTACTGGCCTATATAAAGCACCTAGATGGTGAGAACGAGGCCGCC  
CTGGAATGCTTAGGGCAAGCTGAAGATTCGGAAGTCAGAGCGCAGTGATCGAGCAGAGATTAATGTC  
TGGTCACCTGGGGAACTATGCTTGGATCTACTACCGCATTGGCCAGCTCTCAGAAGCTCAGGCGTACGC  
TGACAAGGTGAGACAAGTTTGCCAAAAGTTTGCAATCCTTACAGCATGGAATGCCCAGAAGTTGACTGT  
GAGGAAGGATGGACACGCCTAAAGTGTGGAAGAAATGAACGAGCTAAGATGTGCTTCGAAAAGGCTCTAG  
AGGAGAAGCCCGAGGATCCAGAGTGCAGGGCTGGAATGGCATTGCCATGTACCGCCTACAGGAAAAACC  
GGAGAAGCAGTTCTCTGTGGATGCTCTGAAACAGGCCATGGAGTTGAATTCTCAGAACCAGTACGAGAAG  
GTTCTCCTGGCTCTGAACTGCAGAAGATGGGGGAAGAAGCTGAAGCAGAGCGGTTGGTTGAAGATGCCT  
TGGAAAAGGGTCCTAATCAAACAGACTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCT  
AGACAGAGCTATTGAATTCCTTGAAAAGCACTGAGATCCACAGCAAAACAGTCCCCTCTACAGCTTG  
GTCATGTGCCGTTACAGGAAAACTGAAGCAACTGCAGAATACAGGAGAGGCTGACAAGAGTGAGAGAA  
GACAGACTATGGAAGAACTGAGAAGATTAAGTATGGAGTACATGAATAAGGCTCTTCAGAGGAGGCCAAG  
TCCTCTGAACTCCTACTCAGACCTCATCGATTTCCCGAAGTAGAGAAATGCTATCAGATGGTCTTCAGC  
GAGGAGAGCCCTCGCGTGAGGACCAAGAACTCTTTGAGCGCTATTGCAACCTCCAGGAGTATCACAGGA  
AGTCTGAAGGCCCAAAGCCCTGAAGGATCTCATGCAGTTTCCAGACCTGAAAAATCCACCGAGAAGGA  
AGAAGTTAAACAGCAAACGCAGAACGGAGATCTTAACCTGCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR201645 representing NM\_001007694  
 Red=Cloning site Green=Tags(s)

MSEVNKESLEKILPQLKCHFTWNLFKEGSISSHMEDRVCNQIENLNSEHKATMYDLLAYIKHLGDGENEAA  
 LECLGQAEDLRKSERSDRAEIKCLVTWGNyawIYYRIGQLSEAQAYADKVRQVCQKFANPYSMECPEDC  
 EEGWTRLKCGRNERAKMCFEKALEEKPEDPECRAGMAIAMYRLQEKPEKQFSVDALKQAMELNSQNQYEK  
 VLLALKLQKMGEAEAEERLVEDALEKGPNTDVLQKAAQFYRKKGNLDRAIEFLGKALRSTANNSPLYSL  
 VMCRYREKLKQLQNTGEADKSERRQTMELRRLTMEYMNKALQRRPSPLNSYSDLIDFPEVEKCYQMVFS  
 EESPRADQELFERYCNLQEQYHRKSEGLKALKDLMQFPRPEKSTEKEEVKQQTQNGDLNLQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

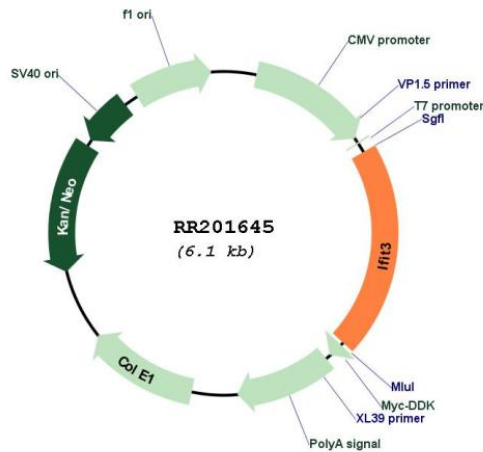
**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**Plasmid Map:**



**ACCN:** NM\_001007694

<b>ORF Size:</b>	1233 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<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>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001007694.1</a> , <a href="#">NP_001007695.1</a>
<b>RefSeq Size:</b>	2053 bp
<b>RefSeq ORF:</b>	1236 bp
<b>Locus ID:</b>	309526
<b>Cytogenetics:</b>	1q53
<b>MW:</b>	48.1 kDa