

## Product datasheet for **RR214232**

### **Irf5 (NM\_001106586) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Irf5 (NM_001106586) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Irf5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR214232 representing NM\_001106586  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAACCAGTCAGCCCCAGGGATTCCACACCACCCCGCGTGTGAGGCTGAAGCCCTGGCTGGTGCC  
 AGGTGAACAGCTGCCAGTACCCAGGGCTCCAGTGGGTCAACGGGAAAAGAACTTTCTATATCCCTG  
 GCGCCATGCTACAAGGCACGGTCCAGCCAGGATGGAGACAACACCATCTTCAAGGCCTGGGCTAAAGAG  
 ACAGGGAAGTACACGGAGGGCGTGGATGAGGCTGACCCAGCCAAATGGAAGGCCAACCTGCGCTGTGCC  
 TTAACAAAAGCCGTGACTTCCAGCTGTACTATGATGGCCCTCGAGACATGCCACCTCAGCCCTACAAGAT  
 CTACGAGGTCTGCTCCAATGGCCCTGCTCCACAGAGTCCAGCCACAGATGATTACGTTCTGGGAGAA  
 GAGGAGGAAGAGGAAGATGAAGAGCTCCAGAGAATGCTACCAGGCCTGAGTATCACAGAACCTGTGTAC  
 CTGGCCCTCCCATAGCACCTATTCCTTACCCAAAGAAGACCAAGTGGCCACCTGCTCTCCAGCCACC  
 TGTAGGGCTGGGTCCCCCTCCCCAGACCCAAATCTCCTGGCCCTCCCTCTGGAGATTCTGCTGGCTTT  
 AGGCAGCTTCTCCTGAGGTCTGGAGCCTGGACCCTGGCTTCCAACCGCCCTACAGAACAACCTCT  
 TGCTGACCTGCTCATCAGCCCCACATGCTGCCTTTGACTGACCTAGAGATCAAGTTCCAGTACCGGGG  
 ACGTCCACCGCGGCCCTCACCATCAGCAACCCACAAGGCTGCAGGCTCTTCTATAGCCAGCTAGAGGCT  
 ACCCAGGAGCAAGTGGAACTCTTTGGCCCTGTGACCCTGGAGCAAGTTCGCTTCCCTAGCCAGAGGATA  
 TCCCCAGTGACAAGCAGCGCTTCTATACGAACCAGCTGCTGGATGCTCCTGGAGCCGAGGGCTCATCTGCA  
 GCTGCAGGGCCAGGACCTGTATGCCATCCGTCTGTGCCAGTGAAGGTGTTCTGGAGTGGCCCTGTGCC  
 TTGGCCCATGGTTCCTGCCCAACCCATCCAGCGGGAAGTCAAGACAAGCTCTTTAGCCTAGAGCAGT  
 TTCTCAAATGAATCATCCTGTTCCAGAAGGGCCAAACCAATACCCACCCTTTTGGAGATCTTCTTTTG  
 CTTTGGAGAAGAATGGCCTGACCTCAAACCCCGAGAGAAGAAGCTCATTACTGTACAGGTGGTACCTGTC  
 GCAGCCCGGTTGCTGCTGGAGATGTTCTCAGGAGAGCTTTCTTGGTCAAGCAGACAGCATTGCGCTGAGA  
 TCTCAAACCCGGATCTCAAAGACCACATGGTAGAGCAGTTCAAAGAGCTCCATCACATCTGGCAGTCCCA  
 GCAGCGCTTGCAGCCATGGTCCAGGCCCTCCTGTGGCAGGCCTTGATGCTGGCCAGGGGCCCTGGCC  
 ATGCACCCAGTTGGCATGCAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR214232 representing NM\_001106586  
 Red=Cloning site Green=Tags(s)

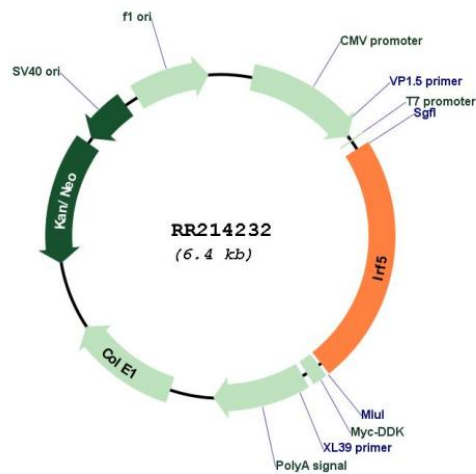
MNQSAPGIPTPPRRVRLKPWLVAQVNSCQYPGLQWVNGEKKLFYIPWRHATRHGPSQDGDNTIFKAWAKE  
 TGKYTEGVDEADPAKWKANLRCALNKSDFQLYYDGPDMPPQPYKIYEVCSNGPAPTESQPTDDYVLGE  
 EEEEEDEELQRMLPGLSITPVLPGPIIAPYSLPKEDTKWPPALQPPVGLGPPPPDPNLLAPPSGDSAGF  
 RQLLPEVLEPGPLASNQPPTEQLLPDLLISPHMLPLTDLEIKFYRGRPPRALTISNPQGCRLFYSQLEA  
 TQEQVELFGPVTLEQVRFPSPEDIPSDKQRFYTNQLLDVLDRLILQLQGQDLYAIRLCQCKVFWSGPCA  
 LAHGSCPNPIQREVKTCLFSLEQFLNELILFQKQNTNPPPFEIFFCFGEWPDLPREKKLITVQVVPV  
 AARLLLEMFSGELSWADSIRLQISNPDLKDHMVEQFKELHHIWQSQRQLQPMVQAPPVAGLDAGQGPWP  
 MHPVGMQ

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_001106586

**ORF Size:** 1491 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\\_001106586.1](#), [NP\\_001100056.1](#)

**RefSeq Size:** 2099 bp

**RefSeq ORF:** 1494 bp

**Locus ID:** 296953

**Cytogenetics:** 4q22

**MW:** 56.1 kDa