

Product datasheet for **MR226592**

Irf5 (NM_012057) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Irf5 (NM_012057) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Irf5
Synonyms:	AW491843; mirf5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR226592 representing NM_012057
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACCACTCAGCCCCAGGGATTCCCCACCACCCCGCGTGTGAGGCTGAAGCCCTGGTTGGTGCC
 AGGTGAACAGCTGCCAGTACCCAGGGCTTCAGTGGGTCAACGGGAAAAGAACTTTCTATATACCCTG
 GCGCCATGCCACGAGGCATGGTCCCAGCCAGGATGGGGACAACACCATCTTCAAGCCTGGGCTAAAGAG
 ACAGGGAAGTACTGAAGGGTGGATGAGGCTGACCCAGCCAAGTGAAGGCCAACCTGCGCTGTGCC
 TTAACAAAAGCCGTGACTTCCAGCTGTTCTATGATGGCCCTGGGACATGCCACCTCAGCCGTACAAGAT
 CTACGAGGTCTGCTCCAACGGCCCTGCTCCACAGAGAGCAACCCACTGATGATTACGTTCTGGGAGAA
 GAGGAGGAGGAGGAAGAGGAGCTCCAGAGAATGCTACCAGGCCTGAGCATCACAGAGCCTGCGCTAC
 CTGGCCCTCCCAACGCACCTATTCTTACCCAAAGAAGACCAAGTGGCCACCTGCTCTCCAGCCACC
 TGTAGGGCTGGTCCCCCTGTCCAGACCCAAATCTCTGGCCCTCCCTCTGGAATCCTGCTGGCTTC
 AGGCAGCTTCTCCTGAGGTCTGGAGCCTGGACCTCTGGCTTCCAGCCAGCCCCCTACAGAACCACTCT
 TGCTGACCTGCTGATCAGCCCCACATGTTGCCCTTGGACGGACCTAGAGATCAAGTTCCAGTACCGGG
 ACGCGACCCCGGACCCTCACCATCAGCAACCCACAAGGCTGCAGGCTCTTCTACAGCCAGCTAGAGGCT
 ACCCAGGAGCAAGTGAAGTCTTTGGCCCTGTGACCCCTGGAGCAAGTGCCTTCCCTAGCCAGAGGACA
 TCCCCAGTGACAAGCAGCGTTTCTATACGAACAGCTGCTAGATGCTCTGGACCGTGGGCTCATCTGCA
 GCTGCAGGGCCAGGACCTGTACGCCATCCGTCTGTGCCAGTGAAGGTGTTCTGGAGTGGCCCTGCGCC
 TTGGCCCATGGCTCTGCCCAACCCATTACGCGGAAGTCAAGACGAAGCTCTTACCTAGAGCAGT
 TTCTCAAATGAGCTCATCCTGTTCCAGAAGGGCCAGACTAATACCCACCCTTTTGAGATCTTCTTTTG
 CTTTGGAGAAGAATGGCCTGATGTCAAACCCCGAGAGAAGAAGCTCATTACTGTACAGGTGGTACCTGTT
 GCAGCCCGGTTGCTGCTGGAGATGTTCTCAGGGGAGCTTCTTGGTGGCAGACAGCATCCGACTGCAGA
 TCTCAAACCCGGATCTCAAAGACCACATGGTAGAGCAGTTAAAGAGCTTATCACCTCTGGCAGTCCCA
 GCAGCAATTGCAGCCATGGTCCAGGCCCTCCTGTGGCAGGCCTCGATGCAAGCCAGGGGCCCTGGCC
 ATGCACCCAGTTGGCATGCAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR226592 representing NM_012057
 Red=Cloning site Green=Tags(s)

MNHSAPGIPPPRRVRLKPWLVAQVNSCQYPLQWVNGEKKLFYIPWRHATRHGPSQDGDNTIFKAWAKE
 TGKYTEGVDEADPAKWKANLRCALNKSDFQLFYDGRDMPQPYKIYEVCSNGPAPTESQPTDDYVLGE
 EEEEEEEELQRMLPGLSITEPALPGPPNAPYSLPKEDTKWPPALQPPVGLGPPVDPNLLAPPSGNPAGF
 RQLLPEVLEPGPLASSQPPEPLLDLLISPHMLPLTDLEIKFYRGRAPRTLISNPQGCRFLYSQLEA
 TQEQVELFGPVTLEQVRFPSPEIPSDKQRFYTNQLLDVLDRLILQLQGQDLYAIRLCQCKVFWGPCA
 LAHGSCPNIQREVKTKLFSLEQFLNELILFQKGQTNTPPFEIFFCFGEWPDVKPREKLIITVQVVPV
 AARLLLEMFSGELSWADSIRLQISNPDLKDHMVEQFKELHHLWQSQQQLQPMVQAPPVAGLDASQGPWP
 MHPVGMQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja1672_b05.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_012057

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_012057.4](#), [NP_036187.1](#)

RefSeq Size: 2081 bp

RefSeq ORF: 1494 bp

Locus ID: 27056

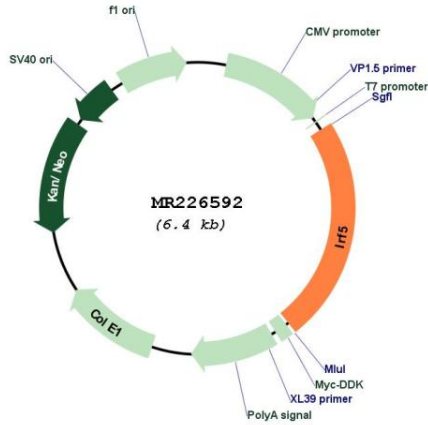
UniProt ID: [P56477](#)

Cytogenetics: 6 12.36 cM

MW: 56.5 kDa

Gene Summary: Transcription factor involved in the induction of interferons IFNA and INFB and inflammatory cytokines upon virus infection. Activated by TLR7 or TLR8 signaling (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR226592