

Product datasheet for **MG226592**

Irf5 (NM_012057) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Irf5 (NM_012057) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Irf5
Synonyms:	AW491843; mirf5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG226592 representing NM_012057
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACCACTCAGCCCCAGGGATTCCCCACCACCCCGCGTGTGAGGCTGAAGCCCTGGTTGGTGCC
 AGGTGAACAGCTGCCAGTACCCAGGGCTTCAGTGGGTCAACGGGAAAAGAACTCTTATATACCCTG
 GCGCCATGCCACGAGGCATGGTCCCAGCCAGGATGGGGACAACACCATCTTCAAGGCCTGGGCTAAAGAG
 ACAGGGAAGTACTGAAGGGTGGATGAGGCTGACCCAGCCAAGTGAAGGCCAACCTGCGCTGTGCC
 TTAACAAAAGCCGTGACTTCCAGCTGTTCTATGATGGCCCTCGGGACATGCCACCTCAGCCGTACAAGAT
 CTACGAGGTCTGCTCCAACGGCCCTGCTCCACAGAGAGCAACCCACTGATGATTACGTTCTGGGAGAA
 GAGGAGGAGGAGGAAGAGGAGCTCCAGAGAATGCTACCAGGCCTGAGCATCACAGAGCCTGCGCTAC
 CTGGCCCTCCCAACGCACCCTATTCCTTACCCAAAGAAGACCAAGTGGCCACCTGCTCTCCAGCCACC
 TGTAGGGCTGGTCCCCCTGTCCAGACCCAAATCTCCTGGCCCTCCCTCTGAAATCCTGCTGGCTTC
 AGGCAGCTTCTCCTGAGGTCTGGAGCCTGGACCTCTGGCTTCCAGCCAGCCCCCTACAGAACCACTCT
 TGCTGACCTGCTGATCAGCCCCACATGTTGCCCTTGGACGGACCTAGAGATCAAGTTCCAGTACCGGGG
 ACGCGCACCCCGACCCTCACCATCAGCAACCCACAAGGCTGCAGGCTCTTCTACAGCCAGCTAGAGGCT
 ACCCAGGAGCAAGTGAAGTCTTTGGCCCTGTGACCCCTGGAGCAAGTGCCTTCCCTAGCCAGAGGACA
 TCCCCAGTGACAAGCAGCGTTTCTATACGAACCAGCTGCTAGATGCTCTGGACCGTGGGCTCATCTGCA
 GCTGCAGGGCCAGGACCTGTACGCCATCCGTCTGTGCCAGTGAAGGTGTTCTGGAGTGGCCCTGCGCC
 TTGGCCCATGGCTCCTGCCCAACCCATTACAGCGGAAGTCAAGACGAAGCTCTTTAGCCTAGAGCAGT
 TTCTCAATGAGCTCATCCTGTTCCAGAAGGGCCAGACTAATACCCACCCTTTTGGAGTCTTCTTTTG
 CTTTGGAGAAGAATGGCCTGATGTCAAACCCCGAGAGAAGAAGCTCATTACTGTACAGGTGGTACCTGTT
 GCAGCCCGGTTGCTGCTGGAGATGTTCTCAGGGGAGCTTCTTGGTGGCAGACAGCATCCGACTGCAGA
 TCTCAAACCCGGATCTCAAAGACCACATGGTAGAGCAGTTAAAGAGCTTCATCACCTCTGGCAGTCCCA
 GCAGCAATTGCAGCCATGGTCCAGGCCCTCCTGTGGCAGGCCTCGATGCAAGCCAGGGGCCCTGGCC
 ATGCACCCAGTTGGCATGCAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG226592 representing NM_012057
 Red=Cloning site Green=Tags(s)

MNHSAPGIPPPRRVRLKPWLVAQVNSCQYPGLQWVNGEKKLFYIPWRHATRHGPSQDGDNTIFKAWAKE
 TGKYTEGVDEADPAKWANLRCALNKSRLFYDGRDMPQPYPYKIYEVCSNGPAPTESQPTDDYVLGE
 EEEEEEEELQRMLPGLSITEPALGPPNAPYSLPKEDTKWPPALQPPVGLGPPVDPNLLAPPSGNPAGF
 RQLLPEVLEPGPLASSQPPEPLLDLLISPHMLPLTDLEIKFYRGRAPRTLISNPQGCRLFYSQLEA
 TQEQVELFGPVTLEQVRFPSPEIPSDKQRFYTNQLLDVLDRLILQLQGQDLYAIRLCQCKVFWGPCA
 LAHGSCPNIQREVKTFLSLEQFLNELILFQKGQTNTPPPFEIFFCFGEEWPDVKPREKKLITVQVVPV
 AARLLLEMFSGELSWADSIRLQISNPDLKDHMVEQFKELHHLWQSQQQLQPMVQAPPVAGLDASQGPWP
 MHPVGMQ

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-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

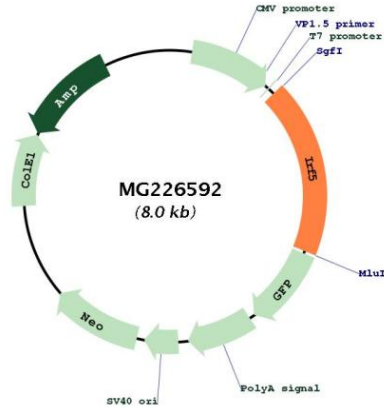
Locus ID: 27056

UniProt ID: [P56477](#)

Cytogenetics: 6 12.36 cM

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 MG226592