

Product datasheet for **RG216039**

IRF5 (NM_001098631) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IRF5 (NM_001098631) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	IRF5
Synonyms:	interferon regulatory factor 5; SLEB10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG216039 representing NM_001098631
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAACCAGTCCATCCCAGTGGCTCCCACCCACCCCGCGCTGCGGCTGAAGCCCTGGCTGGTGCC
 AGGTGAACAGCTGCCAGTACCCAGGCTTCAATGGGTCAACGGGAAAAGAAATTATTCTGCATCCCTG
 GAGGCATGCCACAAGGCATGGTCCCAGCCAGGACGGAGATAACACCATCTTCAAGGCCTGGGCAAGGAG
 ACAGGGAAATACACCGAAGGCGTGGATGAAGCCGATCCGGCCAAGTGGAAGGCCAACCTGCGCTGTGCC
 TTAACAAGAGCCGGGACTTCCGCCTCATCTACGACGGGCCCGGACATGCCACCTCAGCCCTACAAGAT
 CTACGAGGTCTGCTCCAATGGCCCTGCTCCACAGACTCCAGCCCTGAGGATTACTCTTTTGGTGCA
 GGAGAGGAGGAGAAGAAGAGGAAGAGCTGCAGAGGATGTTGCCAAGCCTGAGCCTCACAGAGGATGTCA
 AGTGGCCGCCACTCTGCAGCCGCCACTCTGCAGCCGCCGTTGGTGTGGTCCCCTGCTCCAGACCC
 CAGCCCCCTGGCTCCTCCCCTGGCAACCTGCTGGCTTACGGGAGCTTCTCTCTGAGGTCTGGAGCCT
 GGGCCCCCTGCCTGCCAGCCTGCCCTGCAGGCGAACAGCTCCTGCCAGACCTGTGATCAGCCCCACA
 TGCTGCCTCTGACCGACCTGGAGATCAAGTTTCACTACGGGGGCGGCCACCCCGGGCCCTACCATCAG
 CAACCCCATGGCTGCCGGCTCTTCTACAGCCAGCTGGAGGCCACCCAGGAGCAGGTGGAATCTTCGGC
 CCCATAAGCCTGGAGCAAGTGCCTTCCCAGCCCTGAGGACATCCCAGTGACAAGCAGCGCTTCTACA
 CGAACCAGCTGCTGGATGCTCTGGACCGCGGCTCATCTCCAGCTACAGGGCCAGGACCTTATGCCAT
 CCGCTGTGTCAAGGTGTTCTGGAGCGGCCCTGTGCCTCAGCCCATGACTATGCCCAACCC
 ATCCAGCGGGAGGTCAAGACCAAGCTTTTACGCTGGAGATCTTCTCTGCTTTGGGAAGAATGGCCTGACCCAA
 ACCCCGAGAGAAGAAGCTCATTACTGTACAGGTGGTGCCTGTAGCAGCTCGACTGCTGGAGATGTTT
 TCAGGGGAGCTATCTTGGTCAGCTGATAGTATCCGGCTACAGATCTCAAACCCAGACCTCAAAGACCGCA
 TGGTGGAGCAATTCAAGGAGCTCCATCACATCTGGCAGTCCCAGCAGCGTTGCAGCCTGTGGCCAGGC
 CCCTCCTGGAGCAGGCCTTGGTGTGGCCAGGGCCCTGGCTATGCACCCAGCTGGCATGCAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG216039 representing NM_001098631
 Red=Cloning site Green=Tags(s)

MNQSIPVAPTPRRVRLKPWLVAQVNSCQYPGLQWVNGEKKLFCIPWRHATRHGPSQDGDNTIFKAWAKE
 TGKYTEGVDEADPAKWANLRCALNKSDFRLIYDGPRDMPPQPYKIYEVCSNGPAPTDSQPPEDYSFGA
 GEEEEEEELQRMLPSLSLTDVWKPPPTLQPPTLQPPVVLGPPAPDPSPLAPPPGNPAGFRELLSEVLEP
 GPLPASLPPAGEQLLPDLLISPHMLPLTDLEIKFYRGRPPRALTISNPHGCRFLFYSQLEATQEQVELFG
 PISLEQVRFPSPEIPSDKQRFYTNQLLDVLDRLILQLQGQDLYAIRLCQCKVFWGPCASAHDSQPNP
 IQREVKTFLSLEHFLNELILFQKQNTNPPPFIEFFCFGEWPDPRKPREKKLITVQVVPVAARLLLEMF
 SGELSWSADSIQLSNPDLKDRMVEQFKELHHIWQSQQLQPVAQAPPGAGLGVGQGPWPMHPAGMQ

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Reconstitution Method:	<ol style="list-style-type: none">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:	<u>NM_001098631.1, NP_001092101.1</u>
RefSeq Size:	2741 bp
RefSeq ORF:	1466 bp
Locus ID:	3663
Cytogenetics:	7q32.1
Protein Families:	Transcription Factors
Protein Pathways:	Toll-like receptor signaling pathway
Gene Summary:	<p>This gene encodes a member of the interferon regulatory factor (IRF) family, a group of transcription factors with diverse roles, including virus-mediated activation of interferon, and modulation of cell growth, differentiation, apoptosis, and immune system activity. Members of the IRF family are characterized by a conserved N-terminal DNA-binding domain containing tryptophan (W) repeats. Alternative promoter use and alternative splicing result in multiple transcript variants, and a 30-nt indel polymorphism (SNP rs60344245) can result in loss of a 10-aa segment. [provided by RefSeq, Dec 2016]</p>