

Product datasheet for **RG215781**

IRF5 (NM_001098630) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IRF5 (NM_001098630) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	IRF5
Synonyms:	SLEB10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG215781 representing NM_001098630
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACCAGTCCATCCCAGTGGCTCCCACCCACCCCGCGCTGCGGCTGAAGCCCTGGCTGGTGCC
 AGGTGAACAGCTGCCAGTACCCAGGCTTCAATGGGTCAACGGGAAAAGAAATTATTCTGCATCCCTG
 GAGGCATGCCACAAGGCATGGTCCCAGCCAGGACGGAGATAACACCATCTTCAAGCCTGGGCAAGGAG
 ACAGGGAAATACACCGAAGGCGTGGATGAAGCCGATCCGGCCAAGTGAAGGCCAACCTGCGCTGTGCC
 TTAACAAGAGCCGGGACTTCCGCTCATCTACGACGGGCCCGGACATGCCACCTCAGCCCTACAAGAT
 CTACGAGGTCTGCTCCAATGGCCCTGCTCCACAGACTCCAGCCCTGAGGATTACTCTTTTGGTGCA
 GGAGAGGAGGAGAAGAAGGAAGAGTGCAGAGGATGTTGCCAAGCCTGAGCCTCACAGAGGATGTCA
 AGTGGCCGCCACTCTGCAGCCGCCACTCTGCGGCCCTACTCTGCAGCCGCCACTCTGCAGCCGCC
 CGTGGTGTGGTCCCCCTGCTCCAGACCCAGCCCCCTGGCTCCTCCCCTGGCAACCCTGCTGGCTTC
 AGGGAGCTTCTCTGAGGTCTGGAGCCTGGGCCCTGCCTGCCAGCCTGCCCCCTGCAGGCGAACAGC
 TCCTGCCAGACCTGCTGATCAGCCCCACATGCTGCCTCTGACCGACCTGGAGATCAAGTTTCAGTACCG
 GGGGCGGCCACCCGGGCCCTCACCATCAGCAACCCCATGGCTGCCGGCTTTCTACAGCCAGCTGGAG
 GCCACCCAGGAGCAGGTGGAACCTTTCGGCCCCATAAGCCTGGAGCAAGTGCCTTCCCCAGCCCTGAGG
 ACATCCCAGTGACAAGCAGCGCTTCTACACGAACCAGCTGCTGGATGTCTGGACCGGGGCTCATCT
 CCAGCTACAGGGCCAGGACCTTTATGCCATCCGCTGTGTGAGTCAAGGTGTTCTGGAGCGGCCCTGT
 GCCTCAGCCATGACTCATGCCCAACCCATCCAGCGGAGGTCAAGACCAAGCTTTTCAGCCTGGAGC
 ATTTTCTCAATGAGCTCATCTGTTCAAAAGGGCCAGACCAACACCCACCCTTCGAGATCTTCTT
 CTGCTTTGGGGAAGAATGGCCTGACCGCAAACCCGAGAGAAGAAGCTCATTACTGTACAGGTGGTGCCT
 GTAGCAGCTCGACTGCTGCTGGAGATGTTCTCAGGGAGCTATCTTGGTCACTGATAGTATCCGGCTAC
 AGATCTCAAACCCAGACCTCAAAGACCGCATGGTGGAGCAATTCAAGGAGCTCCATCACATCTGGCAGTC
 CCAGCAGCGGTTGCAGCCTGTGGCCAGGCCCTCCTGGAGCAGGCTTGGTGTGGCCAGGGGCCCTGG
 CCTATGCACCCAGCTGGCATGCAA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

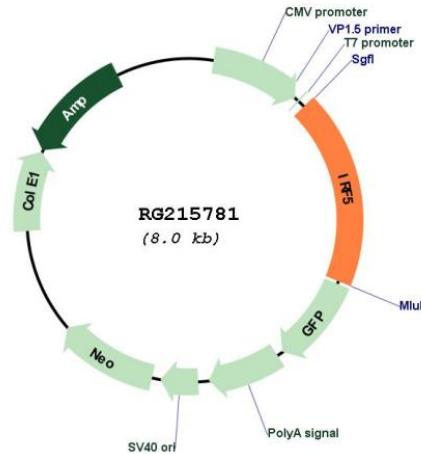
>RG215781 representing NM_001098630
 Red=Cloning site Green=Tags(s)

MNQSI PVAPT PPRRRLK PVLVAQVNSCQYPGLQWVNGEKKLFCIPWRHATRHGPSQDGDNTIFKAWAKE
 TGKYTEGVDEADPAKWKANLRCALNKSDFRLIYDGPRDMPPQYKIYEVCSNGPAPTDSDQPPEDYSFGA
 GEEEEEEELQRMLPSLSLTEDVKWPPTLQPPTLRPPTLQPPTLQPPVVLGPPAPDPSPLAPPPGNPAGF
 RELLSEVLEPGPLPASLPPAGEQLLPDLLISPHMLPLTDLEIKFYRGRPPRALTISNPHGCRLFYSQL
 ATQEQVELFGPISLEQVRFPSPEDIPSDKQRFYTNQLLDVLDRLILQLQGDLYAIRLCQCKVFWSGPC
 ASAHDSNPNIQREVKTFLSLEHFLNELILFQKGQNTNPPPFIEFFCFGEEWPDPRKPREKLLITVQVVP
 VAARLLLEMFSGELSWADSIRLQISNPDLKDRMVEQFKELHHIWQSQRQLQPVAPAPPAGLGVGQGPW
 PMHPAGMQ

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Plasmid Map:


ACCN: NM_001098630

ORF Size: 1494 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_001098630.3](#)

RefSeq Size: 2852 bp

RefSeq ORF: 1497 bp

Locus ID: 3663

UniProt ID: [Q13568](#)

Cytogenetics: 7q32.1

Protein Families: Transcription Factors

Protein Pathways: Toll-like receptor signaling pathway

Gene Summary: 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]