

Product datasheet for **RG202102**

IRF2 (NM_002199) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IRF2 (NM_002199) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	IRF2
Synonyms:	IRF-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG202102 representing NM_002199 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCGGTGAAAGGATGCGCATGCGCCCGTGGCTGGAGGAGCAGATAAACTCCAACACGATCCCGGGGC
TCAAGTGGCTTAACAAGGAAAAGAAGATTTTTAGATCCCCTGGATGCATGCGGCTAGACATGGGTGGGA
TGTGGAAAAGATGCACCACTCTTAGAACTGGGCAATCCATACAGGAAAGCATCAACCAGGAGTAGAT
AAACCTGATCCAAAACATGGAAGGCGAATTTAGATGCGCCATGAATTCCTGCCTGATATTGAAGAAG
TCAAGGATAAAAGCATAAAGAAAGGAAATAATGCCTTCAGGGTCTACCGAATGCTGCCCTATCAGAACG
GCCTTCTAAGAAAGGAAAGAAACCAAGACAGAAAAGAAGACAAAGTTAAGCACATCAAGCAAGAACCA
GTTGAGTCATCTCTGGGCTTAGTAATGGAGTAAGTGATCTTTCTCCTGAGTATGCGGTCCTGACTTCAA
CTATAAAAAATGAAGTGGATAGTACGGTGAACATCATAGTTGTAGGACAGTCCCCTCTGGACAGCAACAT
TGAGAATCAAGAGATTGTCACCAATCCGCCAGACATTTGCCAAGTTGTAGAGGTGACCACTGAGAGCGAC
GAGCAGCCGGTCAGCATGAGCGAGCTCTACCCTCTGCAGATCTCCCCGTGTCTTCTATGCAGAAAAGCG
AAACGACTGATAGTGTGCCAGCGATGAAGAGAGTGCCGAGGGGGCGCCACACTGGCGGAAGAGGAATAT
TGAAGGCAAACAGTACCTCAGCAACATGGGACTCGAGGCTCCTACCTGCTGCCCGCATGGCGTCTTTC
GTCACCTTCAAACAAACCGGACCTCCAGGTCACCATCAAAGAGGAGAGCAATCCGGTGCCTTACAACAGCT
CCTGGCCCCCTTTTCAAGACCTCCCCCTTCTTCTCCTCCATGACCCAGCATCCAGCAGCAGTCGGCCAGA
CCGGGAGACCCGGCCAGCGTCATCAAGAAAACATCGGATATCACCCAGGCCCGCGTCAAGAGCTGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG202102 representing NM_002199
Red=Cloning site Green=Tags(s)

MPVERMRMPWLEEQINSNTIPGLKWLNKEKKIFQIPWMHAARHGWDVEKDAPLFRNWAHTGKHQPQVD
 KPDPKTWKANFRFCAMNSLPDIEEVKDKSIKKGNNAFRVYRMLPLSERPSKKGKKPKTEKEDKVKHIKQEP
 VESSLGLSNGVSDLSPYAVLSTIKNEVDSTVNIIVVGQSHLDSNIENQEIVTNPPDICQVVEVTTESD
 EQPVSMSELYPLQISPVSSYAESETTDSVPSDEESAEGRPHWRKRNIQYLSNMGTRGSYLLPGMASF
 VTSNKPDLQVTIKEESNPVYPYNSWPPFQDLPLSSMTPASSSSRPDRETRASVIKKTSDITQARVKSC

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_002199

ORF Size: 1047 bp

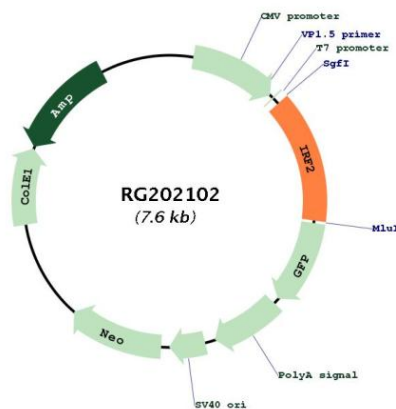
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	<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:	NM_002199.4
RefSeq Size:	2223 bp
RefSeq ORF:	1050 bp
Locus ID:	3660
UniProt ID:	P14316
Cytogenetics:	4q35.1
Domains:	IRF
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	IRF2 encodes interferon regulatory factor 2, a member of the interferon regulatory transcription factor (IRF) family. IRF2 competitively inhibits the IRF1-mediated transcriptional activation of interferons alpha and beta, and presumably other genes that employ IRF1 for transcription activation. However, IRF2 also functions as a transcriptional activator of histone H4. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG202102