

Product datasheet for **RG215544**

IRF2BP2 (NM_001077397) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IRF2BP2 (NM_001077397) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	IRF2BP2
Synonyms:	CVID14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG215544 representing NM_001077397
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGCCGCGCGGTGGCGGTGGCGGCCGCTCCCGCGGCAGTCGTGCTACCTGTGTGACCTGCCCCGA
 TGCCTTGGGCGATGATCTGGGACTTCACCGAACCCGCTCTGCCGCGCTGCGTCAACTACGAGGGCGCCGA
 CCGCGTCGAGTTCGTATCGAGACGGCGCGGCAGCTCAAGCGGGCGCACGGCTGTTCCCGAGGGTTCGC
 TCCCCACCCGGCGCCGCGGCTCGGCCGCGCCAGCCGCGCGCTCTCCGCCAAGGACATCCTTTTGC
 AGCAGCAGCAGAGCTTGGCCACGGCGGCCCGAGGCGGCCCGCGCGCGCCGAGGCTTGAGAGCGCTA
 CCCGTTGGCGGCCGCGGCCGAGAGGCCCGCGGCTCGGCTCTGACTTCGGCAGCAGCGCCCGGCAGCG
 AGCCTGGCCAGCCGCGCAGCCGCGCGCCCGTGAACGGCATCCTGGTCCCCAACGGCTTCTCCA
 AGCTAGAGGAGCGCCCGAGCTGAATCGCCAGAGCCGAACCCGCGCGCGGCCACGCGGTGCCGCCAC
 CCTGGTCCGCTCATGAACGGCTCGGCCACGCCGTGCCACCGCGCTCGGCCTCGCGGCCGCGCTGCC
 GCCTCCTTAGCCGCGGTGTCCGGAACCGCGGCCCGCAGCCTGGGCTCCGCGCAGCCACCGATCTGGGCG
 CCCACAAGCGGCCGCGATCCGTGTGAGCAGCGCTGCCGTGGAGCACGAGCAGCGTGAGGCGGCAGCCAA
 GGAGAAACAACCGCCGCGCCTGCGCACCGGGGCCCGCCGACAGCCTGTCCACCGCGGCCGGGGCCGCC
 GAGCTGAGCGCGGAAGGTGCGGGCAAGAGCCGCGGGTCTGGAGAGCAGGACTGGGTCAACAGGCCCAAGA
 CCGTGCGCGACACGCTGCTGGCGCTGCACAGCACGGCCACTCGGGGCCCTTCGAGAGCAAGTTTAAGAA
 GGAGCCGGCCCTGACTGCAGTTGCAAGAACAGCAAGGAAAAGGAAGCCCTCTCCAGAACCAGAAGGTGAA
 GTCGGGCCCCCTAAGATCAACGGAGAGGCCAGCCGTGGCTGTCCACATCCACAGAGGGGCTCAAGATCC
 CCATGACTCCTACATCCTCTTTGTGTCTCCGCCACCCACTGCCTCACCTCATTCCAACCGGACCAC
 ACCGCCTGAAGCGGCCCGAGAAATGGCCAGTCCCCCATGGCAGCCCTGATCTTAGTAGCAGACAATGCAGGG
 GGCAGTCATGCCTCAAAAGATGCCAACCAGTTCACTCCACTACCAGGAGGAATAGCAACAGTCCGCCCT
 CTCCGTCTCTATGAACCAAGAAGGCTGGGCCCCAGAGAGGTGGGGGGCCAGGAGCAGGCAACACAGG
 AGGACTGGAGCCAGTGCACCCTGCCAGCCTCCCGACTCCTCTCTGGCAACCAGTGCCCCGCTGTGCTGC
 ACCCTCTGCCACGAGCGGCTGGAGGACACCATTTTGTGAGTGGCCGTCCGTCCCTTCGCACAAGTTCT
 GCTTCCCTTGTCCAGACAAAGCATCAACAGCAGGGAGCTAGTGGAGAGGTCTATTGTCCAGTGGGGA
 AAAATGCCCTTGTGGGCTCAATGTCCCTGGGCTTTATGCAAGGGGAAATTGCAACCATCCTTGCT
 GGAGATGTGAAAGTGAAAAAGAGAGACTCG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG215544 representing NM_001077397
 Red=Cloning site Green=Tags(s)

MAAAVAVAAASRRQSCYLCDLPRMPWAMIWDFTEPVCRGCVNYEGADRVFVIETARQLKRAHGCPEGR
 SPPGAAAASAAKPPPLSAKDILLQQQQQLGHGGPEAAPRAPQALERYPLAAAAERPPRLGSDFGSSRPAA
 SLAQPPTPQPPPVNGILVPNGFSKLEEPPELNRQSPNRRGHAVPPTLVPLMNGSATPLPTALGLGGRAA
 ASLAAVSGTAAASLGSAQPTDLGAHKRPASVSSSAAVEHEQREAAAKEQPPPPAHRGPADSLSTAAGAA
 ELSAEGAGKSRGSGEQDWVNRPKTVRDTLLALHQHGHSGPFESKFKEPALTAVARTARKRKPSPEPEGE
 VGPPKINGEAQPWLSTSTGLKIPMTPTSSFVSPPPPTASPHSNRTTPPEAAQNGQSPMAALILVADNAG
 GSHASKDANQVHSTTRRNSNSPPSPSSMNQRRLLGPREVGGQAGNTGGLEPVHPASLPDSSLATSAPLCC
 TLCHERLEDTHFVQCPSVPSHKFCFPCSRQSIKQQGASGEVYCPSGEKCPLVGSNVPWAFMQGEIATILA
 GDVKVKKERDS

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001077397

ORF Size: 1713 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_001077397.1](#), [NP_001070865.1](#)

RefSeq Size: 4629 bp

RefSeq ORF: 1716 bp

Locus ID: 359948

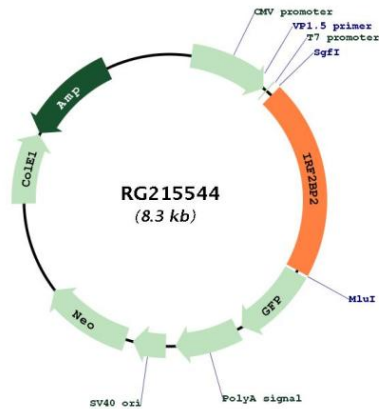
UniProt ID: [Q7Z5L9](#)

Cytogenetics: 1q42.3

Protein Families: Druggable Genome

Gene Summary: This gene encodes an interferon regulatory factor-2 (IRF2) binding protein that interacts with the C-terminal transcriptional repression domain of IRF2. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG215544