

Product datasheet for **RG216226**

IGF2BP1 (NM_006546) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IGF2BP1 (NM_006546) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	IGF2BP1
Synonyms:	CRD-BP; CRDBP; IMP-1; IMP1; VICKZ1; ZBP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG216226 representing NM_006546
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACAAGCTTTACATCGGCAACCTCAACGAGAGCGTGACCCCCGCGGACTTGGAGAAAGTGTTCGCGG
 AGCACAAGATCTCTACAGCGGCCAGTTCTTGGTCAAATCCGGCTACGCCTTCGTGGACTGCCCGGACGA
 GCACTGGGCGATGAAGGCCATCGAACTTTCTCCGGGAAAGTAGAATTACAAGGAAAAACGCTTAGAGATT
 GAACATTCGGTGCCTAAAAACAAAGGAGCGGAAAAATCAAATCCGAAATATCCACCCAGCTCCGAT
 GGGAAAGTACTGGACAGCCTGCTGGCTCAGTATGGTACAGTAGAGAACTGTGAGCAAGTGAACACCGAGAG
 TGAGACGGCAGTGGTGAATGTCACCTATCCAACCGGGAGCAGACCAGGCAAGCCATCATGAAGCTGAAT
 GGCCACCAGTTGGAGAACCATGCCCTGAAGGTCTCTACATCCCCGATGAGCAGATAGCACAGGGACCTG
 AGAATGGGCGCCGAGGGGCTTTGGCTCTCGGGTCCAGCCCGCCAGGGCTCACCTGTGGCAGCGGGGGC
 CCCAGCCAAGCAGCAGCAAGTGGACATCCCCCTTCGGCTCTGGTCCCACCCAGTATGTGGGTGCCATT
 ATTTGGCAAGGAGGGGCCACCATCCGCAACATCAGAAAACAGACCCAGTCCAAGTAGACGTGCATAGGA
 AGGAGAACGCAGGTGCAGCTGAAAAAGCCATCAGTGTGCACTCCACCCCTGAGGGCTGCTCCTCCGCTTG
 TAAGATGATCTTGGAGATTATGCATAAAGAGGCTAAGGACACAAAACGGCTGACGAGGTTCCCTGAAG
 ATCCTGGCCATAATAACTTTGTAGGGCTCTCATTGGCAAGGAAGGACGGAACCTGAAGAAGGTAGAGC
 AAGATACCGAGACAAAAACACCATCTCCTCGTTGCAAGACCTTACCCTTTACAACCTGAGAGGACCAT
 CACTGTGAAGGGGCCATCGAGAATTGTTGAGGGCCGAGCAGGAAATATGAAGAAAGTTCGGGAGGCC
 TATGAGAATGATGTGGCTGCCATGAGCCTGCAGTCTCACCTGATCCCTGGCTGAACCTGGCTGCTGTAG
 GTCTTTTCCAGCTTCATCCAGCGCAGTCCCAGCGCTCCAGCAGCGTTACTGGGGCTGCTCCCTATAG
 CTCCTTTATGCAGGCTCCCGAGCAGGAGATGGTGCAGGTGTTTATCCCGCCAGGCAAGTGGGCGCCATC
 ATCGGCAAGAAGGGGAGCAGCATCAAACAGCTCTCCCGTTTGGCAGCGCTCCATCAAGATTGCACCAC
 CCGAAACACTGACTCCAAAGTTCGTATGGTTATCATCACTGGACCGCCAGAGGCCAAATCAAGGCTCA
 GGAAGAATCTATGGCAACTCAAGGAGGAGAACTTCTTTGGTCCAAGGAGGAAGTGAAGCTGGAGACC
 CACATACGTGTGCCAGCATCAGCAGCTGGCCGGTTCATTGGCAAAGGTGGAAAAACGGTGAACGAGTTGC
 AGAATTTGACGGCAGCTGAGGTGGTAGTACCAAGAGACCAGCCCTGATGAGAACGACCAGGTCATCGT
 GAAAATCATCGGACATTTCTATGCCAGTCAGATGGCTCAACGGAAGATCCGAGACATCCTGGCCAGGTT
 AAGCAGCAGCATCAGAAGGGACAGAGTAACCAGGCCAGGCACGGAGGAAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG216226 representing NM_006546
 Red=Cloning site Green=Tags(s)

MNKLYIGNL NESVTPADLEKVF AEHKISYSQFLVKSGYAFVDCPDEHWAMKAIETFSGKVELQGKRLEI
 EHSVPPKKQRSRKIQIRNIPPQLRWEVLDSLLAQYGTVENCEQVNTSESETAVVNVYTSNREQTRQAIMKLN
 GHQLENHALKVSYPDEQIAQGPENRRGGFGSRGQPRQGSPVAAGAPAKQQQVDIPLRLLVPTQYVGA
 IGKEGATIRNITKQTQSKIDVHRKENAGAAEKASVHSTPEGCSSACKMILEIMHKEAKDKTADDEVPLK
 ILAHNNFVGRLLIGKEGRNLKQVEQDTETKITISSLQDLTLNPERTITVKGAIENCCRAEQEIMKKVREA
 YENDVAAMSLQSHLIPGLNLAAVGLFPASSAVPPPPSSVTGAAPYSSFMQAPEQEMVQVFIPAQAVGAI
 IGKKGQHIKQLSRFASASIKIAPPETPDSKVRMVIITGPPEAQFKAQGRIYGKLEENFFGPKKEVKLET
 HIRVPASAAGRVIKGGKTVNELQNLTAEEVVVPRDQTPDENDQVIVKIIIGHFYASQMAQRKIRDILAQV
 KQQHQKQSNQAQARRK

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_006546

ORF Size: 1731 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_006546.4](#)

RefSeq Size: 8769 bp

RefSeq ORF: 1734 bp

Locus ID: 10642

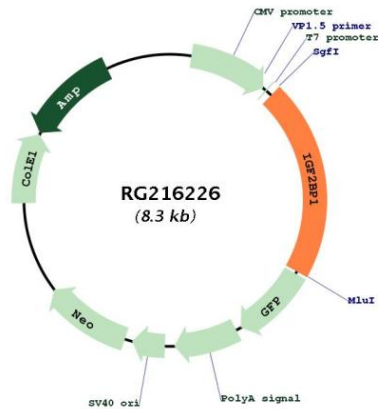
UniProt ID: [Q9NZI8](#)

Cytogenetics: 17q21.32

Domains: RRM, KH

Gene Summary: This gene encodes a member of the insulin-like growth factor 2 mRNA-binding protein family. The protein encoded by this gene contains four K homology domains and two RNA recognition motifs. It functions by binding to the mRNAs of certain genes, including insulin-like growth factor 2, beta-actin and beta-transducin repeat-containing protein, and regulating their translation. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2009]

Product images:



Circular map for RG216226