

Product datasheet for **RG239064**

IGF2BP2 (NM_001291869) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IGF2BP2 (NM_001291869) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	IGF2BP2
Synonyms:	IMP-2; IMP2; VICKZ2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG239064 representing NM_001291869.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGATGAACAAGCTTTACATCGGGAACCTGAGCCCCCGCTCACCGCCGACGACCTCCGGCAGCTCTTT
GGGGACAGGAAGCTGCCCTGGCGGGACAGGCTCTGCTGAAGTCCGGCTACGCCCTCGTGGACTACCCC
GACCAGAACTGGCCATCCGCGCCATCGAGACCCTCTCGGGTAAAGTGGAAATTGCATGGGAAAATCATG
GAAGTTGATTACTCAGTCTCTAAAAAGCTAAGGAGCAGGAAAATTCAGATTGCAAAACATCCCTCCTCAC
CTGCAGTGGGAGGTGTTGGATGGACTTTTGGCTCAATATGGGACAGTGGAGAATGTGGAACAAGTTTTT
GCCTTTTCCCTAGTCAACACAGACACAGAAACCGCGTTGTCAACGTACATATGCAACAAGAGAAGAA
GCAAAAATAGCCATGGAGAAGCTAAGCGGGCATCAGTTTGAGAACTACTCCTTCAAGATTTCTACATC
CCGGATGAAGAGGTGAGCTCCCCTTCGCCCTCAGCGAGCCAGCGTGGGGACCACTCTCCCGGGAG
CAAGGCCACGCCCTGGGGCATTCTCAGGCCAGACAGATTGATTTCCCGCTCGGGATCCTGGTCCCC
ACCCAGTTTGTGGTGCATCATCGAAAGGAGGGCTTGACCATAAAGAACATCACTAAGCAGACCCAG
TCCCGGGTAGATATCCATAGAAAAGAGAACTCTGGAGCTGCAGAGAAGCCTGTACCATCCATGCCACC
CCAGAGGGGACTTCTGAAGCATGCCGATGATTCTTGAATCATGCAGAAAGAGGCAGATGAGACAAA
CTAGCCGAAGAGATTCTCTGAAAATCTTGGCACACAATGGCTTGGTTGGAAGACTGATTGGAAAAGAA
GGCAGAAAATTTGAAGAAAATGAACATGAAACAGGGACCAAGATAACAATCTCATCTTTGCAGGATTTG
AGCATATAACAACCGGAAAGAACCATCACTGTGAAGGGCACAGTTGAGGCCTGTGCCAGTGTGAGATA
GAGATTATGAAGAAGCTGCGTGAGGCCTTTGAAAATGATATGCTGGCTGTTAACCAACAAGCCAATCTG
ATCCCAGGGTTGAACCTCAGCGCACTTGGCATCTTTTCAACAGGACTGTCCTGCTATCTCCACCAAGCA
GGCCCCCGGGAGCTCCCCCGCTGCCCTACCACCCCTTCACTACCCACTCCGGATACTTCTCCAGC
CTGTACCCCATACCAGTTTGGCCGTTCCCGCATCATCACTCTTATCCAGAGCAGGAGATTGTGAAT
CTTTCATCCCAACCCAGGCTGTGGCGCCATCATCGGGAAGAAGGGGGCACACATCAAACAGCTGGCG
AGATTCGCCGGAGCCTCTATCAAGATTGCCCTGCGGAAGGCCAGACGTGAGCGAAAGGATGGTATC
ATCACCAGGCCACCGGAAGCCAGTTCAAGGCCAGGGACGGATCTTTGGGAAACTGAAAGAGGAAAAC
TTCTTTAACCCCAAGAAGAAGTGAAGCTGGAAGCGCATATCAGAGTGCCTCTTCCACAGCTGGCCGG
GTGATTGGCAAAGGTGGCAAGACCGTGAACGAAGTGCAGAACTTAACCAGTGCAGAAATCATCGTCCCT
CGTGACCAACCGCAGATGAAAATGAGGAAGTATCGTCAAGATTATCGGGCACTCTTTTGTAGCCAG
ACTGCACAGCGCAAGATCAGGAAAATTGTACAACAGGTGAAGCAGCAGGAGCAGAAATACCTCAGGGA
GTCGCCTCACAGCGCAGCAAG
ACGCGTACCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence:

>Peptide sequence encoded by RG239064
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MMNKLYIGNLSPAVTADDLRQLFGDRKLPLAGQVLLKSGYAFVDYPDQNWAIETLSGKVELHGKIM
EVDYSVSKLRSRKIQIRNIPPHLQWEVLDGLLAQYGTVENVEQVFAFSLVNTDTETAVVNVYATREE
AKIAMEKLSGHQFENYSFKISYIPDEEVSSPSPQRAQRGDHSSREQGHAPGGTSQARQIDFPLRILVP
TQFVGAIIIGKEGLTIKNIKTQTSRVDIHRKENSAGAAEKPVTIHATPEGTSEACRMILEIMQKEADETK
LAEEIPLKILAHNGLVGRLIGKEGRNLKIEHETGKITISSLQDL SIYNPERTITVKGTVACASAEI
EIMKKLREAFENDMLAVNQANLIPGLNLSALGIFSTGLSVLSPAGPRGAPPAAPYHPFTTHSGYFSS
LYPHHQFGPFPHHHSYPEQEI VNLFIPTQAVGAIIGKKGAHIKQLARFAGASIKIAPAEGPDVSRMVI
ITGPPEAQFKAQGRIFGKLKEENFFNPKEEVKLEAHIRVPSSTAGRVIGKGGKTVNELQNL TSAEIVP
RDQTPDENEEVIVRIIGHFFASQTAQRKIREIVQVQKQEQKYPQGVASQRSK
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLSRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001291869

ORF Size: 1815 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).

RefSeq: [NM_001291869.3](#)

RefSeq Size: 3696 bp

RefSeq ORF: 1818 bp

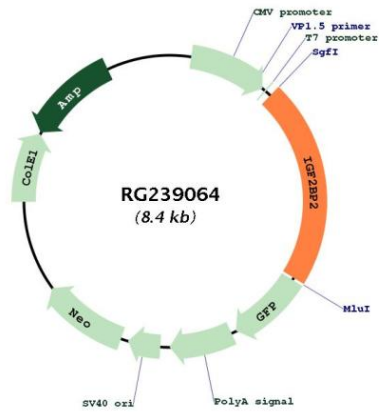
Locus ID: 10644

Cytogenetics: 3q27.2

MW: 67.2 kDa

Gene Summary: This gene encodes a protein that binds the 5' UTR of insulin-like growth factor 2 (IGF2) mRNA and regulates its translation. It plays an important role in metabolism and variation in this gene is associated with susceptibility to diabetes. Alternative splicing and promoter usage results in multiple transcript variants. Related pseudogenes are found on several chromosomes. [provided by RefSeq, Sep 2016]

Product images:



Circular map for RG239064