

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)



[View online »](#)

ORF Nucleotide Sequence:

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

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGATGAACAAGCTTTACATCGGGAACCTGAGCCCCCGCTCACCGCCGACGACCTCCGGCAGCTCTTT
GGGACAGGAAGCTGCCCTGGCGGGACAGGCTCTGCTGAAGTCCGGCTACGCCCTCGTGGACTACCCC
GACCAGAACTGGCCATCCGCGCCATCGAGACCCTCTCGGGTAAAGTGAATTGCATGGGAAAATCATG
GAAGTTGATTACTCAGTCTCTAAAAAGCTAAGGAGCAGGAAAATTCAGATTGCAAACATCCCTCCTCAC
CTGCAGTGGGAGGTGTTGGATGGACTTTTGGCTCAATATGGGACAGTGGAGAATGTGGAACAAGTTTTT
GCCTTTCCCTAGTCAACACAGACACAGAAACCGCGTTGTCAACGTACATATGCAACAAGAGAAGAA
GCAAAAATAGCCATGGAGAAGCTAAGCGGGCATCAGTTTGAGAACTACTCCTTCAAGATTTCTACATC
CCGGATGAAGAGGTGAGCTCCCCTTCGCCCTCAGCGAGCCAGCGTGGGACCCTCTCCCGGGAG
CAAGGCCACGCCCTGGGGCATTCTCAGGCCAGACAGATTGATTTCCCGCTCGGGATCCTGGTCCCC
ACCCAGTTTGTGGTGCCATCATCGAAAGGAGGGCTTGACCATAAAGAACATCACTAAGCAGACCCAG
TCCCGGTAGATATCCATAGAAAAGAGAACTCTGGAGCTGCAGAGAAGCCTGTACCATCCATGCCACC
CCAGAGGGGACTTCTGAAGCATGCCGATGATTCTTGAATCATGCAGAAAGAGGCAGATGAGACAAA
CTAGCCGAAGAGATTCTCTGAAAATCTTGGCACACAATGGCTTGGTTGGAAGACTGATTGGAAAAGAA
GGCAGAAAATTTGAAGAAAATGAACATGAAACAGGGACCAAGATAACAATCTCATCTTTGCAGGATTTG
AGCATATAACAACCGGAAAGAACCATCACTGTGAAGGGCACAGTTGAGGCCTGTGCCAGTGTGAGATA
GAGATTATGAAGAAGCTGCGTGAGGCCTTTGAAAATGATATGCTGGCTGTTAACCAACAAGCCAATCTG
ATCCCAGGTTGAACCTCAGCGCACTTGGCATCTTTTCAACAGGACTGTCCTGCTATCTCCACCAGCA
GGCCCCCGGGAGCTCCCCCGCTGCCCTACCACCCCTTCACTACCCACTCCGGATACTTCTCCAGC
CTGTACCCCATACCAGTTTGGCCGTTCCCGCATCATCACTCTTATCCAGAGCAGGAGATTGTGAAT
CTTTCATCCCAACCCAGGCTGTGGCGCCATCATCGGGAAGAAGGGGGCACACATCAAACAGCTGGCG
AGATTCGCCGGAGCCTCTATCAAGATTGCCCTGCGGAAGGCCAGACGTGAGCGAAAGGATGGTATC
ATCACCAGGCCACCGGAAGCCAGTTCAAGGCCAGGGACGGATCTTTGGGAAACTGAAAGAGGAAAAC
TTCTTTAACCCAAAGAAGAAGTGAAGCTGGAAGCGCATATCAGAGTGCCTCTTCCACAGCTGGCCGG
GTGATTGGCAAAGGTGGCAAGACCGTGAACGAAGTGCAGAACTTAACCAGTGCAGAAATCATCGTCC
CGTGACCAACCGCAGATGAAAATGAGGAAGTATCGTCAAGATATCGGGCACTCTTTGCTAGCCAG
ACTGCACAGCGCAAGATCAGGAAATGTACAACAGGTGAAGCAGCAGGAGCAGAAATACCTCAGGGA
GTCGCCTCACAGCGCAGCAAG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence:

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

```
MMNKLYIGNLSPAVTADDLRQLFGDRKLPLAGQVLLKSGYAFVDYPDQNWAIRAIETLSGKVELHGKIM
EVDYSVSKLRSRKIQIRNIPPHLQWEVLDGLLAQYGTVENVEQVFAFSLVNTDTETAVVNVYATREE
AKIAMEKLSGHQFENYSFKISYIPDEEVSSPSPQRAQRGDHSSREQGHAPGGTSQARQIDFPLRILVP
TQFVGAIIIGKEGLTIKNIKQTSRVDIHRKENSAGAAEKPVTIHATPEGTSEACRMILEIMQKEADETK
LAEEIPLKILAHNGLVGRLIGKEGRNLKIEHETGKITISSLQDL SIYNPERTITVKGTVACASAEI
EIMKKLREAFENDMLAVNQANLIPGLNLSALGIFSTGLSVLSPAGPRGAPPAAPYHPFTTHSGYFSS
LYPHHQFGPFPHHHSYPEQEI VNLFIPTQAVGAIIGKKGAHIKQLARFAGASIKIAPAEGPDVSRMVI
ITGPPEAQFKAQGRIFGKLKEENFFNPKEEVKLEAHIRVPSSTAGRVIGKGGKTVNELQNL TSAEIVP
RDQTPDENEEVIVRIIGHFFASQTAQRKIREIVQVQKQEQKYPQGVASQRSK
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLSRDGGYSSVVDSHMFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites:

SgfI-MluI

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]