

Product datasheet for **RG238814**

IGF2BP2 (NM_001291872) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IGF2BP2 (NM_001291872) 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:

>RG238814 representing NM_001291872.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGTTCTCATGTCTCTGGACACTACCAGTTGATGGCTTTCTAAATCCAGGGAGCAGGAAAATTCAGATT
CGAAACATCCCTCCTCACCTGCAGTGGAGGTTGGATGGACTTTTGGCTCAATATGGGACAGTGGAG
AATGTGGAACAAGTTTTTGCCTTTTCCCTAGTCAACACAGACACAGAAACCGCCGTTGTCAACGTACA
TATGCAACAAGAGAAGAAGCAAAAATAGCCATGGAGAAGCTAAGCGGGCATCAGTTTGAGAACTACTCC
TTCAAGATTTCTACATCCCGGATGAAGAGGTGAGCTCCCTTCGCCCTCAGCGAGCCAGCGTGGG
GACCACTTTCCCGGAGCAAGGCCACGCCCTGGGGCACTTCTCAGGCCAGACAGATTGATTTCCCG
CTGCGGATCCTGGTCCCCACCCAGTTTGTGGTGCATCATCGGAAAGGAGGGCTTGACCATAAAGAAC
ATCACTAAGCAGACCCAGTCCCGGTAGATATCCATAGAAAAGAGAACTCTGGAGCTGCAGAGAAGCT
GTCACCATCCATGCCACCCAGAGGGGACTTCTGAAGCATGCCGCATGATTCTTGAAATCATGCAGAAA
GAGGCAGATGAGACCAAAGTCCGGAAGAGATTCTCTGAAAATCTTGGCACACAATGGCTTGGTTGGA
AGACTGATTGGAAAAGAAGGCAGAAATTTGAAGAAAATGAACATGAAACAGGGACCAAGATAACAATC
TCATCTTTGCAGGATTTGAGCATATACAACCCGAAAAGAACCATCACTGTGAAGGCGACAGTTGAGGCC
TGTGCCAGTGCTGAGATAGAGATTATGAAGAAGCTGCGTGAGGCCTTTGAATGATATGCTGGCTGTT
AACCAACAAGCCAATCTGATCCCAGGGTTGAACCTCAGCGCACTTGGCATCTTTTCAACAGGACTGTCC
GTGCTATCTCCACAGCAGGGCCCCGCGGAGCTCCCCCGCTGCCCTACCACCCCTTCACTACCCAC
TCCGGATACTTCTCCAGCCTGTACCCCATCACCAGTTTGGCCCGTTCCCGCATCATCACTTTATCCA
GAGCAGGAGATTGTAATCTTTCATCCCAACCCAGGCTGTGGCGCCATCATCGGAAGAAGGGGGCA
CATCAAAACAGCTGGCAGATTCCCGGAGCCTCTATCAAGATTGCCCTGCGGAAGGCCAGACGCTC
AGCGAAAAGGATGGTCATCATCACCGGGCCACCGAAGCCAGTTCAAGGCCAGGGACGGATCTTTGGG
AAACTGAAAGAGGAAAATCTTTAACCCCAAAGAAGAAGTGAAGCTGGAAGCGCATATCAGAGTGCC
TCTTCCACAGCTGGCCGGGTGATTGGCAAAGGTGGCAAGACCGTGAACGAACTGCAGAACTTAACAGT
GCAGAAGTCATCGTGCCTCGTGACCAAACGCCAGATGAAAATGAGGAAGTATCGTGCAGAAATATCGGG
CACTTCTTTGCTAGCCAGACTGCACAGCGCAAGATCAGGGAAATGTACAACAGGTGAAGCAGCAGGAG
CAGAAATACCCTCAGGGAGTCGCTCACAGCGCAGCAAG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence:

>Peptide sequence encoded by RG238814
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MFSCPGHYHVDGFLNPGSRKIQIRNIPPHLQWEVLDGLLAQYGTVENVEQVFAFSLVNTDTETAVNVN
YATREEAKIAMEKLSGHQFENYSFKISYIPDEEVSSPSPQRAQRGDHSSREQGHAPGGTSQARQIDFP
LRILVPTQFVGAIIGKEGLTIKNIKQTSRVDIHRKENSAAEKPVTIHATPEGTSEACRMILEIMQK
EADETKLAEEIPLKILAHNGLVGRLLIGKEGRNLKIEHETGKITISSLQDLIYNPERTITVKGTVEA
CASAEIEIMKKLREAFENDMLAVNQANLIPGLNLSALGIFSTGLSVLSPAGPRGAPPAAPYHPFTTH
SGYFSSLYPHHQFGPFPHHSYPEQEIVNLFIPTQAVGAIIGKKGAHIKQLARFAGASIKIAPAEGPDV
SERMVIITGPPEAQFKAQGRIFGKLKEENFFNPKEEVKLEAHIRVPSSTAGRVIKGGKTVNELQNLTS
AEVIVPRDQTPDENEEVIVRIIGHFFASQTAQRKIREIVQVVKQEQKYPQGVASQRSK
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001291872

ORF Size: 1626 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_001291872.3](#)

RefSeq Size: 3498 bp

RefSeq ORF: 1629 bp

Locus ID: 10644

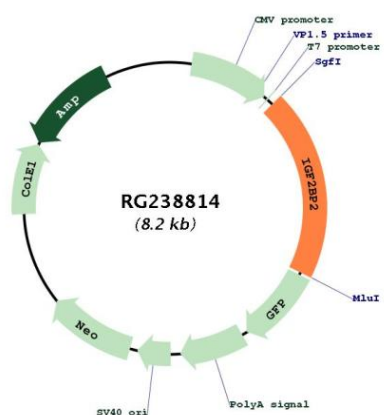
UniProt ID: [Q9Y6M1](#)

Cytogenetics: 3q27.2

MW: 60.1 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 RG238814