

## Product datasheet for **RG238375**

### IGF2BP2 (NM\_001291875) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	IGF2BP2 (NM_001291875) 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)
ORF Nucleotide Sequence:	>RG238375 representing NM_001291875. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTACTATAGGGCCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGAAGCTAAGCGGGCATCAGTTTGAAGAACTACTCCTTCAAGATTTCTACATCCCGGATGAAGAG
GTGAGCTCCCCTTCGCCCTCAGCGAGCCAGCGTGGGGACCACTTTCCCGGGAGCAAGGCCACGCC
CCTGGGGCATTCTCAGGCCAGACAGATTGATTTCCCGCTGCGGATCCTGGTCCCACCCAGTTTGT
GGTGCCATCATCGAAAGGAGGGCTTGACCATAAAGAACATCACTAAGCAGACCCAGTCCCAGGTAGAT
ATCCATAGAAAAGAGAACTCTGGAGCTGCAGAGAAGCCTGTACCATCCATGCCACCCAGAGGGGACT
TCTGAAGCATGCCGCATGATTCTTGAAATCATGCAGAAAGAGGCAGATGAGACCAAAGTCCGGAAGAG
ATTCTCTGAAAATCTTGGCACACAATGGCTTGGTTGGAAGACTGATTGAAAAGAAGGCAGAAATTTG
AAGAAAATTGAACATGAAACAGGGACCAAGATAACAATCTCATCTTTGCAGGATTTGAGCATATACAAC
CCGGAAGAACCATCACTGTGAAGGGCACAGTTGAGGCCCTGTGCCAGTGCTGAGATAGAGATTATGAAG
AAGCTGCGTGAGGCCCTTTGAAAATGATATGCTGGCTGTTAACCAACAAGCCAATCTGATCCCAGGGTTG
AACCTCAGCGCACTTGGCATCTTTCAACAGGACTGTCCGTGCTATCTCCACCAGCAGGGCCCCGCGGA
GCTCCCCCGTGCCCCCTACCACCCCTCACTACCCACTCCGGATACTTCTCCAGCCTGTACCCCAT
CACCAGTTTGGCCGTTCCCGCATCATCACTCTTATCCAGAGCAGGAGATTGTGAATCTTTCATCCCA
ACCCAGGCTGTGGCGCCATCATCGGAAGAAGGGGGCACACATCAAACAGCTGGCGAGATTCGCCGGA
GCCTCTATCAAGATTGCCCTGCCGAAGGCCAGACGTCAGCGAAAGGATGGTCATCATACCCGGGCCA
CCGGAAGCCAGTTCAAGGCCAGGGACGGATCTTTGGGAAACTGAAAGAGGAAAACCTCTTTAACCCC
AAAGAAGAAGTGAAGCTGGAAGCGCATATCAGAGTGCCCTCTTCCACAGCTGGCCGGGTGATTGGCAAA
GGTGGCAAGACCGTGAACGAACTGCAGAACTTAACCAAGTGCAGAAAGTCACTGCTGCCTCGTGACCAACG
CCAGATGAAAATGAGGAAGTATCGTCAGAAATATCGGGCACTTCTTTGCTAGCCAGACTGCACAGCGC
AAGATCAGGGAATGTACAACAGGTGAAGCAGCAGGAGCAGAAATACCTCAGGGAGTCGCTCACAG
CGCAGCAAG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC
```



[View online »](#)

**Protein Sequence:** >Peptide sequence encoded by RG238375  
 Blue=ORF Red=Cloning site Green=Tag(s)

MEKLSGHQFENYSFKISYIPDEEVSSPSPQRAQRGDHSSREQGHAPGGTSQARQIDFPLRILVPTQFV  
 GAIIGKEGLTIKNITKQTQSRVDIHRKENSAAEKPVTIHATPEGTSEACRMILEIMQKEADETKLAEE  
 IPLKILAHNGLVGRLIGKEGRNLKKIEHETGKTISSLDLSIYNPERTITVKGTVACASAEIEMK  
 KLREAFENDMLAVNQANLIPGLNLSALGIFSTGLSVLSPAGPRGAPPAAPYHPFTTHSGYFSSLYPH  
 HQFGPFPHHHSYPEQEIYNLFIPQTAVGAIIGKGAHIKQLARFAGASIKIAPAEGPDVSEVMIIITGP  
 PEAQFKAQGRIFGKLKEENFFNPKEEVKLEAHIRVPSSTAGRVIGKGGKTVNELQNLTSAEVIVPRDQT  
 PDENEVIVRIIGHFFASQTAQRKIREIVQVVKQEQKYPQGVASQRSK  
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED  
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001291875

**ORF Size:** 1389 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.

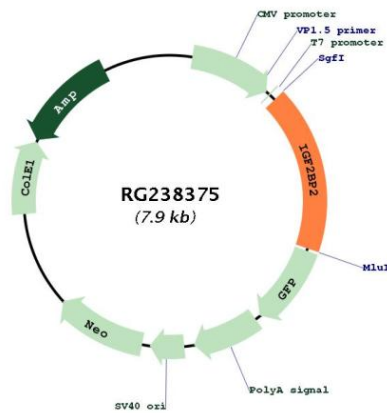
**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**RefSeq:** [NM\\_001291875.3](#)

RefSeq Size: 3416 bp  
 RefSeq ORF: 1392 bp  
 Locus ID: 10644  
 UniProt ID: [Q9Y6M1](#)  
 Cytogenetics: 3q27.2  
 MW: 51.3 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 RG238375