

## Product datasheet for **RG238550**

### IGF2BP2 (NM\_001291874) Human Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids                           |
| Product Name:             | IGF2BP2 (NM_001291874) 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:**

>RG238550 representing NM\_001291874.  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGTTCTCATGTCCTGGACACTACCAGTTGATGGCTTTCTAAATCCAGGGAGCAGGAAAATTCAGATT
CGAAACATCCCTCCTCACCTGCAGTGGGAGGTGTGGATGGACTTTGGCTCAATATGGACAGTGGAG
AATGTGGAACAAGTCAACACAGACACAGAAACCGCGTTGTCAACGTACATATGCAACAAGAGAAGAA
GCAAAAATAGCCATGGAGAAGCTAAGCGGGCATCAGTTTGAGAACTACTCCTTCAAGATTCCTACATC
CCGGATGAAGAGGTGAGCTCCCTTCGCCCCCTCAGCGAGCCAGCGTGGGGACCACTCTCCCGGGAG
CAAGGCCACGCCCTGGGGGCACTTCTCAGGCCAGACAGATTGATTTCCCGCTGCGGATCCTGGTCCCC
ACCCAGTTTGTGGTGCCATCATCGAAAGGAGGGCTTGACCATAAAGAACATCACTAAGCAGACCCAG
TCCCGGTAGATATCCATAGAAAAGAGAACTCTGGAGCTGCAGAGAAGCCTGTACCATCCATGCCACC
CCAGAGGGGACTTCTGAAGCATGCCCATGATTCTTGAATCATGCAGAAAGAGGCAGATGAGACCAAA
CTAGCCGAAGAGATTCTCTGAAAATCTTGGCACACAATGGCTTGGTTGGAAGACTGATTGAAAAGAA
GGCAGAAAATTTGAAGAAAATTGAACATGAAACAGGGACCAAGATAACAATCTCATCTTTCAGGATTTG
AGCATATACAACCCGAAAGAACCATCACTGTGAAGGGCACAGTTGAGGCTGTGCCAGTGTGAGATA
GAGATTATGAAGAAGCTGCGTGAGGCCTTTGAAAATGATATGCTGGCTGTTAACACCCACTCCGGATAC
TTCTCCAGCCTGTACCCCATCACCAGTTTGGCCCGTTCCCGCATCATCACTCTTATCCAGAGCAGGAG
ATTGTGAATCTTTCATCCCAACCCAGGCTGTGGGCGCCATCATCGGGAAGAAGGGGGCACACATCAAA
CAGCTGGCGAGATTGCGCGGAGCCTCTATCAAGATTGCCCTGCGGAAGGCCAGACGTACGCGAAAAGG
ATGGTCATCATACCGGGCCACCGGAAGCCAGTTCAAGGCCAGGGACGGATCTTTGGGAACTGAAA
GAGGAAAATTTCTTAAACCCAAAGAAGAAGTGAAGCTGGAAGCGCATATCAGAGTGCCCTTTCCACA
GCTGGCCGGGTGATTGGCAAGGTGGCAAGACCGTGAACGAACTGCAGAACTTAACCAAGTGCAGAGTC
ATCGTGCCTCGTGACCAACGCCAGATGAAAATGAGGAAGTGATCGTCAGAATTATCGGGCACTTCTTT
GCTAGCCAGACTGCACAGCGCAAGATCAGGGAAATTGTACAACAGGTGAAGCAGCAGGAGCAGAAAATC
CCTCAGGGAGTCGCCTCACAGCGCAGCAAG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC
```

**Protein Sequence:**

>Peptide sequence encoded by RG238550  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MFSCPGHYVDGFLNPGSRKIQIRNIPPHLQWEVLDGLLAQYGTVENVEQVNTDTETAVVNVYATREE
AKIAMEKLSGHQFENYSFKISYIPDEEVSSPSPQRAQRGDHSSREQGHAPGGTSQARQIDFPLRILVP
TQFVGAIIIGKEGLTIKNIKQTSRVDIHRKENSгааEKPVTIHATPEGTSEACRMILEIMQKEADETK
LAEIPLKILAHNGLVGRLLIGKEGRNLKIEHETGKITISSLQDL SIYNPERTITVKGTVEACASAEI
EIMKKLREAFENDMLAVNTHSGYFSSLYPHHQFPFPHHHSYPEQEI VNLFIPTQAVGAIIGKKAHIK
QLARFAGASIKIAPAEGPDVSERMVIIITGPPEAQFKAQGRIFGKLKEENFFNPKEEVKLEAHIRVPSST
AGRVIGKGGKTVNELQNL TSAEVIVPRDQTPDENEEVIVRIIGHFFASQTAQRKIREIVQVQKQEYKY
PQGVASQRSK
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRS NATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

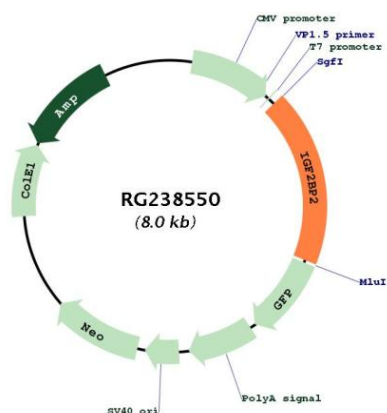
**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


- ACCN:** NM\_001291874
- ORF Size:** 1479 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\\_001291874.3](#)
- RefSeq Size:** 3351 bp
- RefSeq ORF:** 1482 bp
- Locus ID:** 10644
- UniProt ID:** [Q9Y6M1](#)
- Cytogenetics:** 3q27.2
- MW:** 55.2 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 RG238550