

Product datasheet for **RC238550**

IGF2BP2 (NM_001291874) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IGF2BP2 (NM_001291874) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	IGF2BP2
Synonyms:	IMP-2; IMP2; VICKZ2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC238550 representing NM_001291874
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTCTCATGTCTGGACACTACCACGTTGATGGCTTTCTAAATCCAGGGAGCAGGAAAATTCAGATTC
 GAAACATCCCTCCTCACCTGCAGTGGGAGGTGTTGGATGGACTTTTGGCTCAATATGGGACAGTGGAGAA
 TGTGGAACAAGTCAACACAGACACAGAAACCGCGTTGTCAACGTCACATATGCAACAAGAGAAGAGCA
 AAAATAGCCATGGAGAAGCTAAGCGGGCATCAGTTTGAAGAACTACTCCTTCAAGATTTCTACATCCCGG
 ATGAAGAGGTGAGCTCCCTTCGCCCTCAGCGAGCCAGCGTGGGACCCTTCCCGGGAGCAAGG
 CCACGCCCTGGGGCACTTCTCAGGCCAGACAGATTGATTTCCCGCTGCGGATCCTGGTCCCCACCCAG
 TTTGTTGGTGCCATCATCGAAAGGAGGGCTTGACCATAAAGAACATCACTAAGCAGACCCAGTCCCGGG
 TAGATATCCATAGAAAAGAGAACTCTGGAGCTGCAGAGAAGCCTGTACCATCCATGCCACCCAGAGGG
 GACTTCTGAAGCATGCCGCATGATTCTTGAAATCATGCAGAAAGAGGCAGATGAGACAAACTAGCCGAA
 GAGATTCTCTGAAAATCTTGGCACACAATGGCTTGGTTGGAAGACTGATTGGAAGAAAGAGCAGAAATT
 TGAAGAAAATTGAACATGAAACAGGGACCAAGATAACAATCTCATCTTTCAGGATTTGAGCATATACAA
 CCCGAAAGAACCATCACTGTGAAGGCCACAGTTGAGGCCTGTGCCAGTCTGAGATAGAGATTATGAAG
 AAGCTGCGTGAGGCCCTTTGAAAATGATATGCTGGCTGTTAACCCCACTCCGGTACTTCTCCAGCCTGT
 ACCCCATCACCAGTTTGGCCGTTCCCGCATCATCACTTTATCCAGAGCAGGAGATTGTGAATCTCTT
 CATCCCAACCAGGCTGTGGCGCCATCATCGGAAGAAGGGGGCACACATCAAACAGCTGGCGAGATTC
 GCCGGAGCCTCTATCAAGATTGCCCTGCGGAAGGCCAGACGTCAGCGAAAGGATGGTCATCATACCCG
 GGCCACCGAAGCCAGTTCAAGGCCAGGGACGGATCTTTGGGAACTGAAAGAGGAAAATCTTTTAA
 CCCAAAAGAAGAAGTGAAGCTGGAAGCGCATATCAGAGTGCCCTCTTCCACAGCTGGCCGGGTGATTGGC
 AAAGGTGCAAGACCGTGAACGAACTGCAGAACTTAACAGTGCAGAAAGTATCGTGCCTCGTGACCAAA
 CGCCAGATGAAAATGAGGAAGTATCGTCAGAATTATCGGGCACTTCTTGTAGCCAGACTGCACAGCG
 CAAGATCAGGAAATTGTACAACAGGTGAAGCAGCAGGAGCAGAAATACCCTCAGGGAGTCGCTCACAG
 CGCAGCAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

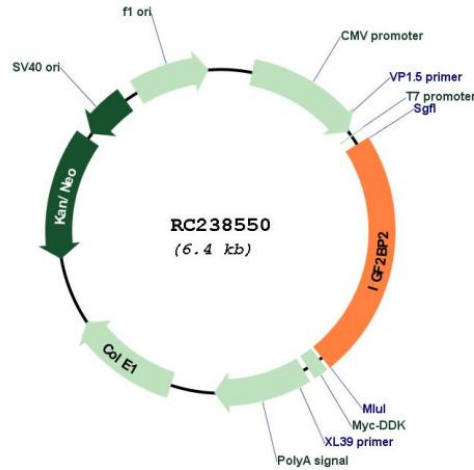
>RC238550 representing NM_001291874
 Red=Cloning site Green=Tags(s)

MFSCPGHYHVDGFLNPGSRKIQIRNIPPHLQWEVLDGLLAQYGTVENVEQVNTDTETAVVNVYATREEA
 KIAMEKLSGHQFENYSFKISYIPDEEVSSPSPQRAQRGDHSSREQGHAPGGTSQARQIDFPLRILVPTQ
 FVGAIIGKEGLTIKNITKQTQSRVDIHRKENSAAEKPTIHAPEGTSEACRMILEIMQKEADETKLAE
 EIPLKILAHNGLVGRIGKEGRNLKIEHETGKITISSLQDLSIYNPERTITVKGTVACASAEIEIMK
 KLREAFENDMLAVNTHSGYFSSLYPHHQFGPFPHHHSYPEQEIIVNLFIPQAVGAIIGKKAHIKQLARF
 AGASIKIAPAEGPDVSRMVIITGPPEAQFKAQGRIFGKLKEENFFNPKEEVKLEAHIRVPSSTAGRIG
 KGGKTVNELQNL TSAEVI VPRDQTPDENEIVR IIGHFFASQTAQRKIREIVQVQKQEQKYPQVASQ
 RSK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Plasmid Map:


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).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

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]