

Product datasheet for **SC116032**

IGF2BP2 (NM_006548) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IGF2BP2 (NM_006548) Human Untagged Clone
Tag:	Tag Free
Symbol:	IGF2BP2
Synonyms:	IMP-2; IMP2; VICKZ2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC116032 sequence for NM_006548 edited (data generated by NextGen Sequencing)

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ATGATGAACAAGCTTTACATCGGGAACCTGAGCCCCGCCGTCACCGCCGACGACCTCCGG
CAGCTCTTTGGGGACAGGAAGCTGCCCTGGCGGGACAGGTCCTGCTGAAGTCCGGCTAC
GCCTTCGTGGACTACCCGACCAGAAGTGGGCCATCCGCGCCATCGAGACCCTCTCGGGT
AAAGTGAATTGCATGGGAAAATCATGGAAGTTGATTACTCAGTCTCTAAAAAGCTAAGG
AGCAGGAAAATTCAGATTCGAAACATCCCTCCTCACCTGCAGTGGGAGGTGTTGGATGGA
CTTTTGGCTCAATATGGGACAGTGGAGAATGTGGAACAAGTCAACACAGACACAGAAACC
GCCGTTGTCAACGTCACATATGCAACAAGAGAAGAAGCAAAAATAGCCATGGAGAAGCTA
AGCGGGCATCAGTTTGAAGACTACTCCTTCAAGATTTCTACATCCCGGATGAAGAGGTG
AGCTCCCCTTCGCCCCCTCAGCGAGCCAGCGTGGGGACCACTTCCCGGGAGCAAGGC
CACGCCCTGGGGCACTTCTCAGGCCAGACAGATTGATTTCCCGCTGCGGATCCTGGTC
CCCACCCAGTTTGTGGTGCCATCATCGGAAAGGAGGGCTTGACCATAAAGAACATCACT
AAGCAGACCCAGTCCCGGTAGATATCCATAGAAAAGAGAAGTCTGGAGCTGCAGAGAAG
CCTGTCCATCCATGCCACCCAGAGGGGACTTCTGAAGCATGCCGCATGATTCTTGAA
ATCATGCAGAAAGAGGCAGATGAGACAAACTAGCCGAAGAGATTCTCTGAAAACTTG
GCACACAATGGCTTGGTTGGAAGACTGATTGAAAAGAAGGCAGAAATTTGAAGAAAATT
GAACATGAAACAGGGACCAAGATAACAATCTCATCTTTGAGGATTTGAGCATATACAAC
CCGGAAAGAACCATCACTGTGAAGGGCACAGTTGAGGCCTGTGCCAGTGTGAGATAGAG
ATTATGAAGAAGCTGCGTGAGGCCTTTGAAAATGATATGCTGGCTGTTAACCAACAAGCC
AATCTGATCCCAGGGTTGAACCTCAGCGCACTTGGCATCTTTTCAACAGGACTGTCCGTG
CTATCTCCACCAGCAGGGCCCCGCGGAGCTCCCCCGCTGCCCTACCACCCCTTCACT
ACCCACTCCGGATACTTCTCCAGCCTGTACCCCATCACCAGTTTGGCCGTTCCCGCAT
CATCACTCTTATCCAGAGCAGGAGATTGTGAATCTCTTCATCCCAACCCAGGCTGTGGGC
GCCATCATCGGGAAGAAGGGGGCACACATCAAACAGCTGGCGAGATTCCCGGAGCCTCT
ATCAAGATTGCCCTGCGGAAGGCCAGACGTCAGCGAAAGGATGGTCATCATCACCGGG
CCACCGGAAGCCAGTTCAAGGCCAGGGACGGATCTTTGGGAAACTGAAAGAGGAAAAC
TTCTTTAACCCAAAGAAGAAGTGAAGCTGGAAGCGCATATCAGAGTGCCTCTTCCACA
GCTGGCCGGTGATTGGCAAAGGTGGCAAGACCGTGAACGAACTGCAGAATTAACCAGT
GCAGAAGTCATCGTGCCTCGTGACCAAACGCCAGATGAAAATGAGGAAGTATCGTCAGA
ATTATCGGGCACTTCTTTGCTAGCCAGACTGCACAGCGCAAGATCAGGGAATTTGTACAA
CAGGTGAAGCAGCAGGAGCAGAAATACCCTCAGGGAGTCGCTCACAGCGCAGCAAGTGA
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Clone variation with respect to NM_006548.4

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_006548 unedited</p> <pre>GCATTTTGTAAATACGACTCACTATAGGGCGGCCCGCAATTCGCACGAGGGCGGAGGAGG AGGAGAGACGAGGGCAGCGGAGGAGGCGAGGAGCGCCGGTACCGGGCCGGGGAGCCGC GGGCTCTCGGGGAAGAGACGGATGATGAACAAGCTTTACATCGGGAACCTGAGCCCCGCC GTCACCGCCGACGACCTCCGGCAGCTCTTTGGGACAGGAAGTGCCCTGGCGGGACAG GTCCTGCTGAAGTCCGGTACGCCTTCGTGGAATACCCCGACCAAGAACTGGGCCATCCGC GCCATCGAGACCCTCTCGGGTAAAGTGAATTGCATGGGAAAATCATGGAAGTTGATTAC TCAGTCTCTAAAAAGCTAAGGAGCAGGAAAATTCAGATTCGAAACATCCCTCCTCAGCTG CAGTGGGAGGTGTTGGATGGACTTTTGGCTCAATATGGGACAGTGAGAATGTGGAACAA GTCAACACAGACACAGAAACCGCGTTGTCAACGTACATATGCAACAAGAGAAGAAGCA AAAATAGCCATGGAGAAGCTAAGCGGCATCAGTTTGAGAACTACTCCTTCAAGATTTCC TACATCCCGGATGAAGAGGTGAGCTCCCCTTCGCCCTCAGCGAGCCCAGCGTGGGGAC CACTCTTCCCGGAGCAAGGCCACGCCCTGGGGCACTTCTCAGCCAGACAGATTGAT TTCCCGTGCAGTCTGGTCCCACCCAGTTNGTTGGTGCCATCATCNGAAAGGGAGGC TTGACCATAAAGAACATCACTAAGCAGACCCAGTCCCGGTAGATATCCATAGAAAAGAA GACTCTGGAGCTCGAGAGAAGCCTGTACCATCCATGCCACCCAGAGGGGGACTCTGAA GCATGCCGCATGATTCTTGAATCTGCCAAGAGGCAGAGAGACCACTAGCCGAGAGAT CCTCTGAANATCTGCC</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_006548 unedited</p> <pre>TTCCTCTGCNACCGCGGCCGAATCTAGNAGTCGAGTTTTTTTTTTTTTTTTTAAATAA ACATTTTCAAGGTTTGTCCAAAAGAAGCCATATAGTTTCTGGCTAGCGGAAGACAATTC AGAACAGCTGTTGCACACTTGGACTGCCACCTTCCAGGCTGGCAGTTGATATCTTATT TTTTTCCAACCTCATTTTTATTAATAAAAAATAAAAAATGCTCCAACATCAGCTTCAAA AATCTCTAAGGGAAACACAAGAGCAAGGCGCTGAGGTAAAAACACCTGAGGCAGCTTCTT CTGTGTGTTTTTCTCGTTAAAAAATCTGTGAATTTAACGCCCTGGGCCAACACCTTGG CCACCTTCTACTTTCTCCCACTCTCTTTCCCTATCGAAAGGCCCACTCTGCTGAACC TCGACGGCTTATCCCCACTACGCACCTCCACCCTCCACTCCCTCCTTTTGGCCATTCT TCTTTGCTCCGCTGCACCCCGCCTCTCCCTCCCCCCCCCCCCCTACTCATCACTT TTCCATCACTATACTTCTCTCTCTCCCCCTTTTCCCCCTCCCCCTCCTCTTTTCTT CCCTCTTTTCCCTTCTCCCTTCTCCCTCCCCCAATAAAAAATAAGAACGTTTACCTT ATCCCTCTACACCCCTCCCTTCCCTCCCCACCACCAATTTTAAATTTCAATCCCTCC CCTTTCTTACCTTCCCATCACGACCGTAAATCTCCCTCTAACACCCCTTCTAATT TTCACCCCTCCTTCTCTCCACCTCCTCCTCCATCTCTCTTCCCTCTTCGTCTACCCT ATCCCCCCCCCGCCCTCCTCCATTCCCCCTCCCTCCACCCCCCAATTTATATTTT TCCACCCCTCCCCGCTCCCCCTCCCCCT</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_006548
Insert Size:	3520 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_006548.4](#), [NP_006539.3](#)

RefSeq Size: 3676 bp

RefSeq ORF: 1800 bp

Locus ID: 10644

UniProt ID: [Q9Y6M1](#)

Cytogenetics: 3q27.2

Domains: RRM, KH

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]