OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC301167

IGF2BP2 (NM_001007225) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IGF2BP2 (NM_001007225) Human Untagged Clone
Tag:	Tag Free
Symbol:	IGF2BP2
Synonyms:	IMP-2; IMP2; VICKZ2
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

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>OriGene ORF sequence for NM_001007225 edited
ATGATGAACAAGCTTTACATCGGGAACCTGAGCCCCGCCGTCACCGCCGACGACCTCCGG
CAGCTCTTTGGGGACAGGAAGCTGCCCCTGGCGGGACAGGTCCTGCTGAAGTCCGGCTAC
GCCTTCGTGGACTACCCCGACCAGAACTGGGCCATCCGCGCCATCGAGACCCTCTCGGGT
AAAGTGGAATTGCATGGGAAAATCATGGAAGTTGATTACTCAGTCTCTAAAAAGCTAAGG
AGCAGGAAAATTCAGATTCGAAACATCCCTCCTCACCTGCAGTGGGAGGTGTTGGATGGA
CTTTTGGCTCAATATGGGACAGTGGAGAATGTGGAACAAGTCAACACAGACACAGAAACC
GCCGTTGTCAACGTCACATATGCAACAAGAGAAGAAGCAAAAATAGCCATGGAGAAGCTA
AGCGGGCATCAGTTTGAGAACTACTCCTTCAAGATTTCCTACATCCCGGATGAAGAGGTG
AGCTCCCCTTCGCCCCCTCAGCGAGCCCAGCGTGGGGACCACTCTTCCCGGGAGCAAGGC
CACGCCCCTGGGGGCACTTCTCAGGCCAGACAGATTGATTTCCCGCTGCGGATCCTGGTC
CCCACCCAGTTTGTTGGTGCCATCATCGGAAAGGAGGGCTTGACCATAAAGAACATCACT
AAGCAGACCCAGTCCCGGGTAGATATCCATAGAAAAGAGAACTCTGGAGCTGCAGAGAAG
CCTGTCACCATCCATGCCACCCCAGAGGGGACTTCTGAAGCATGCCGCATGATTCTTGAA
ATCATGCAGAAAGAGGCAGATGAGACCAAACTAGCCGAAGAGATTCCTCTGAAAATCTTG
GCACACAATGGCTTGGTTGGAAGACTGATTGGAAAAGAAGGCAGAAATTTGAAGAAAATT
GAACATGAAACAGGGACCAAGATAACAATCTCATCTTTGCAGGATTTGAGCATATACAAC
CCGGAAAGAACCATCACTGTGAAGGGCACAGTTGAGGCCTGTGCCAGTGCTGAGATAGAG
ATTATGAAGAAGCTGCGTGAGGCCTTTGAAAATGATATGCTGGCTGTTAACACCCACTCC
GGATACTTCTCCAGCCTGTACCCCCATCACCAGTTTGGCCCGTTCCCGCATCATCACTCT
TATCCAGAGCAGGAGATTGTGAATCTCTTCATCCCAACCCAGGCTGTGGGCGCCATCATC
GGGAAGAAGGGGGCACACATCAAACAGCTGGCGAGATTCGCCGGAGCCTCTATCAAGATT
GCCCCTGCGGAAGGCCCAGACGTCAGCGAAAGGATGGTCATCATCACCGGGCCACCGGAA
GCCCAGTTCAAGGCCCAGGGACGGATCTTTGGGAAACTGAAAGAGGAAAACTTCTTTAAC
CCCAAAGAAGAAGTGAAGCTGGAAGCGCATATCAGAGTGCCCTCTTCCACAGCTGGCCGG
GTGATTGGCAAAGGTGGCAAGACCGTGAACGAACTGCAGAACTTAACCAGTGCAGAAGTC
ATCGTGCCTCGTGACCAAACGCCAGATGAAAATGAGGAAGTGATCGTCAGAATTATCGGG
CACTTCTTTGCTAGCCAGACTGCACAGCGCAAGATCAGGGAAATTGTACAACAGGTGAAG
CAGCAGGAGCAGAAATACCCTCAGGGAGTCGCCTCACAGCGCAGCAAGTGA
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Restriction Sites: Please inquire

ACCN: NM_001007225

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).

OTI Annotation: The ORF of this clone has been fully sequenced and found to be a perfect match to NM_001007225.1.

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_001007225.1, NP_001007226.1
RefSeq Size:	3547 bp
RefSeq ORF:	1671 bp
Locus ID:	10644
UniProt ID:	Q9Y6M1
Cytogenetics:	3q27.2
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] Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (b, also known as p62) is shorter than isoform a. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.