

## Product datasheet for **MC219470**

### Igf2bp2 (NM\_183029) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Igf2bp2 (NM_183029) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Igf2bp2
Synonyms:	C330012H03Rik; IMP-2; Imp2; Neilsen
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC219470 representing NM\_183029  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGATGAACAAGCTGTACATTGGGAACCTGAGCCCCGCCGTACCGCCGACGACCTCCGGCAGCTCTTCG  
 GGGACAGGAAGCTGCCCCTGCGGGGACAGGTCCTACTCAAGTCCGGCTACGCCTTCGTGGACTACCCCGA  
 CCAGAACTGGGCCATCCGCGCCATCGAGACCCTCTCGGGTAAAGTGGAATTGCATGGGAAAAATCATGGAA  
 GTTGACTACTCAGTCTCTAAAAAGCTAAGGAGCAGAAGAATCCAGATTCGGAACATCCCGCTCACCTGC  
 AGTGGGAGGTGTTGGATGGGCTGTTGGCTGAATATGGGACAGTGGAGAACGTGGAGCAAGTCAACACAGA  
 TACAGAAACTGCCGTTGTCAACGTCACCTATATGACAAGAGAAGAGGCAAAGCTAGCTATTGAGAAGCTC  
 AGTGGGCATCAGTTTGAGGACTACTCCTCAAGATTTCTACATCCCGATGAAGAGGTGAGCTCTCCTT  
 CACCCCTCATCGTGCCCGGGAACAAGGCCACGGCCCCGGGAGCTTCTCAGGCCAGACAGATTGATTT  
 CCCGCTGCGGATCCTGGTCCCCACCCAGTTTGTGGTGCATCATCGGAAAGGAGGGCTTGACCATAAAG  
 AACATCACTAAGCAGACCAGTCCCGGGTAGACATCCACAGAAAGGAGAACTCTGGGGCTGCAGAGAAGC  
 CTGTACAAATCCATGCTACCCAGAAAGGACATCTGAAGCATGCCGCATGATTCTTGAGATTATGAAAA  
 AGAAGCTGATGAGACAAACTGGCTGAGGAGGTTCTCTGAAAATCCTGGCCACAATGGCTTCGTTGGA  
 AGACTGATTGGCAAAGAAGGCAGAAACCTGAAGAAAATAGAACATGAGACAGGGACCAAGATAACCATCT  
 CATCCTTGAGGATTTGAGCATTATAACCCCGAGAGAACCATCACCGTGAGGGGCACCATTGAAGCCTG  
 TGCCAAATGCTGAGATAGAGATTATGAAGAAGCTCCGAGAGGCCTTTGAGAACGACATGCTGGCCGTTAAC  
 CAACAAGCCAATCTGATCCAGGGCTAAACCTCAGTGCCTTGGCATCTTTTCGACTGGACTGTCTGTGC  
 TTCTCCACCAGCAGGGCCCCGTGGAGTCCCCCAGTCTCCCTATCACCCCTTGGCTACCCACTCCGG  
 ATACTTCTCCAGTCTGTACCCTCATACCATTTTCGGCCATTCCACATCATCACTCCTACCCAGAGCAG  
 GAGACTGTAAGTCTTTCATCCCAACCCAGGCTGTGGGTGCTATCATCGGGAAGAAGGGGCACACATCA  
 AACAGCTCGTCGATTTGCTGGTGCCTCCATCAAGATTGCTCCAGCAGAAGGTCCAGATGTCAGTGAGAG  
 GATGGTCATCACTGGTCTCCTGAAGCCAGTTTAAGGCTCAGGGACGGATCTTTGGGAAACTGAAG  
 GAAGAAAATTCTTTAATCCCAAAGAAGAAGTGAAGCTGGAGGCCACATCCGAGTCCCCTCGTCGACCG  
 CTGGCCGGGTGATTGGCAAGGGCGGAAAACCGTGAACGAGCTGCAGAACTTGACAAGTGCAGAAGTTAT  
 CGTGCCTCGTGACCAAACGCCAGACGAGAATGAGGAAGTATCGTCAGAATTATCGGGCATTTTTTGCT  
 AGCCAGACTGCACAACGCAAGATCAGGGAAATTGTACAGCAGGTGAAGCAGCAGGAGCAGAGATACCTC  
 AGGGAGTCGCCCCACAGCGCAGCAAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_183029  
**Insert Size:** 1779 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

**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\\_183029.2](#), [NP\\_898850.2](#)

**RefSeq Size:** 3902 bp

**RefSeq ORF:** 1779 bp

**Locus ID:** 319765

**UniProt ID:** [Q5SF07](#)

**Cytogenetics:** 16 B1

**Gene Summary:** RNA-binding factor that recruits target transcripts to cytoplasmic protein-RNA complexes (mRNPs). This transcript 'caging' into mRNPs allows mRNA transport and transient storage. It also modulates the rate and location at which target transcripts encounter the translational apparatus and shields them from endonuclease attacks or microRNA-mediated degradation (By similarity). Binds to the 5'-UTR of the insulin-like growth factor 2 (IGF2) mRNAs. Binding is isoform-specific. Binds to beta-actin/ACTB and MYC transcripts (By similarity).

[UniProtKB/Swiss-Prot Function]