

## Product datasheet for MC202512

### Igf2bp3 (NM\_023670) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Igf2bp3 (NM_023670) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Igf2bp3
Synonyms:	2610101N11Rik; AA522010; AL022933; AU045931; IMP-3; IMP3; Koc13; mimp3; Neilsen
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC049082 sequence for NM\_023670  
GGTTTTTCGCCCGCGCTCCCGTGCTTGGGTCACTGTGTGGGTTTAAAAGCCAAGAGGAGAGGAACAAAAT  
CCACCGGCTCCATCCTCCGCGTGGGTGCTTTTTTAATTTAGCATTTTCTCGGTTTTAAACGACCC  
CTTTTACAATGAACAAATTGTACATCGGGAACCTCAGCGACCAGCGCGCCCGCGGACCTGGAAAGTG  
TCTTCAAGGACGCTAAGATCCCGGTGGCGGGCCCTTCTGGTGAAGACGGGCTACGCGTTCGTGGACTG  
CCCGGACGAGGGCTGGGCCCTCAAGGCCATCGAGGCGCTTTCAGGTAAAATGGAACATACATGGGAAACCG  
ATGGAAGTTGAGCACTCGGTCCCTAAACGGCAGAGGATTCGTAAACTTCAGATACGAAATATCCCGCCCC  
ACTTACAATGGGAGGTGCTGGATAGTTTACTAGTCCAGTATGGAGTGGTGGAGAGCTGTGAGCAAGTGAA  
CACGGATTCGGAACGGCAGTTGTAATGTAACCTATTCCAGTAAGGACCAAGCTAGACAAGCCTTAGAC  
AAACTGAATGGATTCCAGTTAGAGAACTCACCTTGAAGTTGCCTACATCCAGATGAAACTGCTGCC  
AGCAAAATCCCTCGCCACAGCTCCGGGGCGCCGGGGCCAGGGCAGCGGGGCTCATCCAGCAGGGCGTC  
TCCAGGATCGGTGTCGAAGCAGAAACCCTGTGACCTGCCACTGCGCCTGTGTTCCACCCAGTTTGT  
GGAGCCATTATAGGAAAAGAAGTGCTACCATTGCAACATCACAAAGCAGACCCAGTCTAAAATCGATG  
TCCATCGTAAGGAGAATACAGGGGCCGCGGAGAAGTCCATTACTATCCTCTTACCCCTGAAGGCACCTC  
TGCAGCTTGTAAGTCTATTCTGGAGATTATGCATAAGGAAGCTCAAGATAAAAAATCACAGAGGAGATT  
CCCTTGAAGATCTTAGCTCAATAACTTTGTAGGCCGTCTCATTGGTAAAGAAGGAAGAAACCTTAAAA  
AAATCGAGCAAGACACGGACACTAAAATCAATAATCTCCATTGCAGGAAGTACGCTGTACAATCCGGA  
ACGCACCATTACAGTAAAGGCAGTGTGAGACGTGTGCCAAGGGCGAGGAGGAAATAATGAAGAAGATC  
AGGGAGTCTTATGAAAATGATATTGCTTCCATGAATCTCAAGCACATTTAATCCCTGGATTAATCTGA  
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TCTCCCTACCCACAATTTGAGCAATCAGAGACGGAGACTGTGCATCTGTTTATCCCGCCTGTCCGTT  
GGCGCCATCATTGGCAAGCAGGGCCAACACATCAAAACAGCTTTCTCGCTTTCGGGAGCTTCGATTAAGA  
TCGCTCCAGCCGAAGCACCAGATGCTAAAGTGGGATGGTGATTACTGAGACCACCAGAGGCTCAGTT  
CAAGGCTCAGGGAAGAATTTATGGAAAAATTAAGAAGAAAACTTTGTTAGTCTAAAGAAGAGGTGAAA  
CTTGAAGCTCACATCAGAGTGCCGTCCTTTGCTGCTGGCAGAGTTATTGGGAAAGGAGGCAAAACGGTGA  
ATGAGCTCCAGAGTTTATCAAGTGTGAAGTTGTCGTCCTCCCGTGACCAGACACCTGATGAGAATGATCA  
AGTAGTTGTCAAATAACTGGCCACTTCTATGCTTGCAGGTTGCCAGAGGAAAATTCAGGAAATCTGT



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ACTCAGGTAAAGCAGCACCAGCAGCAGAAAAGCTCTGCAGAGTGGACCACCTCAGTCAAGGCGGAAGTAAA
GGCTCAGGAGACAGCCACCACAGAGGCAGATGCCAAACCAAAGACAGATTTGCTTAACCAACAGACGGGT
GCTGACCCATCCAGAACCACGTGCACGAGTTTTACCTAGCTGGTTGTTCCGAGGACCAGGCACTCGAT
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CAACAAAATCTCCATTTCTTGTGCCTGGCACTGTCTCGAGCCTAAGCTATTTAAAGATGTTTTAAACA
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TTTCTATCTGTTGGTTTCAATTCTGCCATATTTATGTCTAGCCTTTAGAGTGGCAATCATGTTTTACT
TTCATTTAAGCACTGGTAGTCTGGAGTACCTGGTACTGAGTAACTCTATAATTGTGTTTTGTGTTACCA
TATACAGATCATTCTCATCTGTAGTGTGCCCCAAATGCAGCTTCACTTTCCAGGTACCCTGATGCAGAA
TAAAGTTTTTCATCATAAAAAAAAAAAAAAAAAAAAAAAAAA
    
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**Restriction Sites:**

Ascl-NotI

**ACCN:**

NM\_023670

**Insert Size:**

1740 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](#)

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">BC049082</a></u> , <u><a href="#">AAH49082</a></u>
<b>RefSeq Size:</b>	4030 bp
<b>RefSeq ORF:</b>	1740 bp
<b>Locus ID:</b>	140488
<b>UniProt ID:</b>	<u><a href="#">Q9CPN8</a></u>
<b>Cytogenetics:</b>	6 23.82 cM
<b>Gene Summary:</b>	RNA-binding factor that may recruit 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. Binds to the 3' UTR of CD44 mRNA and stabilizes it, hence promotes cell adhesion and invadopodia formation (By similarity). Binds to beta-actin/ACTB and MYC transcripts (By similarity). Binds to the 5'-UTR of the insulin-like growth factor 2 (IGF2) mRNAs. [UniProtKB/Swiss-Prot Function]