

Product datasheet for **RN216970**

Igf2bp2 (NM_001270598) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Igf2bp2 (NM_001270598) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Igf2bp2
Synonyms:	RGD1305614
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN216970 representing NM_001270598
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGAACAAGCTGTACATCGGGAACCTGAGCCCCGCCGTCACTGCGGACGACCTCCGGCAGCTCTTCG
 GGGACAGGAAGCTGCCCCTGCGGGGACAGGTCCTACTCAAGTCCGGCTACGCCTTCGTGGACTACCCCGA
 CCAGAACTGGGCCATCCGCGCCATCGAGACCCTCTCGGGTAAAGTGGAGTTGCATGGGAAAAATCATGGAA
 GTTGATTACTCAGTCTCTAAAAAGCTAAGGAGCAGAAAAATCCAGATTGAAACATCCCGCTCACCTGC
 AGTGGGAGGTGTTGGATGGCCTGTTGGCTGAGTATGGGACGGTAGAGAACGTGGAGCAAGTCAACACGGA
 CACAGAAACAGCCGTTGTCAACGTACCTATATGACAAGGGAAGAGGCAAAGGTAGCTATTGAGAAGTTA
 AGTGGGCATCAGTTCGAGGACTACTCCTCAAGATTTCTACATCCCGACGAAGAATTGAGCTCCCTT
 CACCCCTCATCGAGCCCGGGAACAAGGCCATGGCCCCGGGAGCTTTCTCAGGCCAGACAGATTGACTT
 CCCGCTGAGGATCTGGTCCCCACCCAGTTTGTGGTGCATCATCGGAAAGGAGGGCTTGACCATAAAG
 AACATCACTAAACAGACCAGTCCCGGGTAGACATCCACAGGAAGGAGAACTCTGGGGCTGCCGAGAAGC
 CTGTACAAATCCACGCCACCCAGAAAGGACATCTGAAGCCTGCCGATGATTCTTGAGATTATGCAGAA
 AGAGGCTGATGAGACAAACTGGCAGAAGAGGTTCTTTGAAAATCTTGCCACAAACCGCTTCGTCCGA
 AGACTGATTGGCAAAGAAGGCAGAAACCTGAAGAAAATTGAACACGAGACAGGGACCAAGATAACTATCT
 CATCCTTGAGGATTTGAGCATATAACCCCGAGAGAACCATCACGGTGAAGGTACCATTGAAGCCTG
 TGCCAGTGCTGAGATGGAGATTGAAGAAGCTACGCGAGGCCTTTGAAAACGACATGCTGGCCGTTAAT
 CAACAAGCCAATCTGATCCAGGGCTGAACCTCAGTGCCTCGGCATCTTTTCGACAGGACTGTCTGTGC
 TTCTCCACCAGCAGGGCCCCGTGGAGCTCCCCGAGTCCCCCTATCACCCATTTGCTACCCACTCCGG
 ATACTTCTCAGTCTGTACCCTCATCACCATTTTCGGCCATTCCCGCATCACCACTCGTACCCAGAGCAA
 GAGACGGTGAAGTCTTTCATCCCAACGCAGGCTGTGGGTGCTATCATCGGAAAAAGGGGCACACATCA
 AACAGCTGGCTCGATTTGCCGGTGCCTCCATCAAGATCGTCCAGCGGAAGGTCCAGATGTCAGTGAGAG
 GATGGTCAATCACCCGGCCTCCTGAAGCCAGTTCAAGGCTCAGGGACGGATCTTTGGGAAACTGAAA
 GAAGAAAATTCTTTAATCCCAAAGAAGAGGTGAAGCTGGAGGCCACATCCGAGTTCCCTCCTCGACAG
 CTGGCCGGGTGATTGGCAAAGGCGGTAAAACCGTAAATGAGCTGCAGAACTTGACAAGTGCAGAAGTTAT
 AGTGCCTCGTACCAAACGCCAGATGAGAACGAGGAAGTATCGTCAGAAATATCGGGCATTTTTTGTCT
 AGCCAGACTGCACAACGCAAGATCAGGGAAATTGTACAGCAGGTGAAGCAGCAGGGCAGAAATACCTC
 AGGGAGTCGCCCCACAGCGCAGCAAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001270598
- Insert Size:** 1779 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001270598.1](#), [NP_001257527.1](#)

RefSeq Size: 3629 bp

RefSeq ORF: 1779 bp

Locus ID: 303824

Cytogenetics: 11q23

Gene Summary: The protein encoded by this gene is a member of a family of mRNA binding proteins that have been shown to bind to several different mRNAs in mammalian cells, including insulin-like growth factor 2 mRNA. Generation of two different isoforms by alternative translation initiation at an internal start codon, has been described for this gene (PMID:22427968). [provided by RefSeq, Jul 2012]

Transcript Variant: This variant (1) uses an upstream start codon, and encodes the full-length isoform (1). 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.