

## Product datasheet for **RN200508**

### Igf1 (NM\_001082478) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Igf1 (NM_001082478) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Igf1
Synonyms:	IGF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN200508 representing NM_001082478 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGGAAAATCAGCAGTCTTCCAACCAATTATTTAAGATCTGCCTCTGTGACTTCTTGAAGATAAAGA  
TACACATCATGTCGTCTTCACATCTCTTACCTGGCACTCTGCTTGCTCACCTTACCAGCTCGGCCAC  
AGCCGGACCAGAGACCCTTTGCGGGGCTGAGCTGGTGGACGCTCTTCAGTTCGTGTGGACCAAGGGGC  
TTTTACTTCAACAAGCCACAGGCTATGGCTCCAGCATTCCGAGGGCACCACAGACGGGCATTGTGGATG  
AGTGTGCTTCCGAGCTGTGATCTGAGGAGGCTGGAGATGTACTGTGCTCCGCTGAAGCCTACAAAGTC  
AGCTCGTTCCATCCGGGGCCAGCGCCACACTGACATGCCAAGACTCAGAAGTCCAGCCCTATCGACA  
CACAAGAAAAGGAAGCTGCAAAGGAGAAGGAAAGGAAGTACACTTGAAGAACACAAG**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms:	<a href="https://cdn.origene.com/chromatograms/ja1772_b06.zip">https://cdn.origene.com/chromatograms/ja1772_b06.zip</a>
Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001082478
Insert Size:	480 bp



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**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\\_001082478.1](#), [NP\\_001075947.1](#)

**RefSeq Size:** 1879 bp

**RefSeq ORF:** 480 bp

**Locus ID:** 24482

**UniProt ID:** [P08025](#)

**Cytogenetics:** 7q13

**Gene Summary:** growth factor; plays a major role in mammalian growth [RGD, Feb 2006]  
 Transcript Variant: This variant (3) represents the longest variant and encodes isoform c. This isoform is also known as IB.