

## Product datasheet for **RN204806**

### Igf1r (NM\_052807) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Igf1r (NM_052807) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Igf1r
Synonyms:	IGF-1 receptor; IGFIRC; Igfr1; JTK13
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN204806 representing NM_052807 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAGTCTGGCTCCGGAGGAGGTCCCCGACCTCGTGTGGGGCTCGTGTCTCTCCGCCGCTCT  
CGCTCTGGCCGACGAGTGGAGAAATTTGTGGGCCCGCATTGACATCCGCAACGACTATCAGCAGCTGAA  
GCGCCTGGAAAAGTGCACGGTGATCGAGGGCTTCTCCACATCCTGCTCATCTCCAAGGCCGAGGACTAC  
CGAAGCTACCGCTTCCCCAAGCTCACGGTCATCACCGAGTACTTGTCTGCTGTTTCGAGTGGCCGGCTCG  
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GGTCATCTTCGAGATGACCAATCTCAAGGATATTGGGCTTTATAATCTGAGGAACATTACTCGGGGGCC  
ATCAGGATTGAGAAAAACGCTGACCTCTGTACCTCTCCACCATAGACTGGTCTCTCATCTTGGATGCGG  
TGTCCAATAACTACATTGTGGGAACAAGCCCCAAAGGAATGTGGGACCTGTGTCCAGGGACCTTGGG  
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TGCCAGAAAATGTGCCAAGTGTGTGTGGGAAGCGAGCCTGCACCGAGAACAATGAGTGTGCCACCCGG  
AGTGCCTAGGCAGCTGCCACACCCGGACGACAACAACCTGCGTGGCCTGCCGACACTACTACAA  
AGGCGTGTGCGTGCCTGCTGCCCCGCTGGCACCTACAGGTTTCGAGGGCTGGCGCTGTGTGGACCCGGAT  
TTCTGCGCAACATCCCCAACGCGAGAGCAGTACTCAGATGGCTTCGTATCCACGATGGCGAGTGCA  
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CTCCAAGGTGCACCATTTTGAAGGGCAATCTGCTTATTAACATCCGGCGAGGCAATAACATTGCCTCGG  
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AGTGATGTTCTCCGTTTACCTCCACCACCACCTGGAAGAACCGCATCATATAACGTGGCACCGGTACC



GGCCGCCGACTACCGGGATCTCATCAGTTTCACAGTCTACTACAAGGAGGCACCCTTTAAAAACGTAC  
 GGAATACGACGGGCAGGATGCCTGTGGCTCCAACAGCTGGAACATGGTGGACGTGGACCTGCCTCCGAAC  
 AAGGAGGGGGAGCCTGGCATTGCTGCATGGGCTGAAGCCCTGGACCCAGTATGCAGTCTATGTCAAGG  
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 CAACGCTTCAGTTCCTCCATTCCTCTAGATGCCTCTCGGCATCAAACCTCCTCCTCTCAGCTGATCGTG  
 AAGTGGAAACCCCAACTCTGCCAATGGTAACCTGAGTACTACATTGTGAGGTGGCAGCGGCAGCCGC  
 AGGTGGCTATCTGTTCCGGCACAACTACTGCTCCAAAGACAAAATACCCATCAGAAAAGTACGCCGATGG  
 TACCATCGATGTGGAGGAGGTGACAGAAAATCCCAAGACAGAAAGTGTGCGGTGGTATAAAGGGCCGTGC  
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 GAGTTCGAGACAGAATACCCTTTCTTTGAGAGCAGAGTGGATAACAAGGAGAGGACTGTCATTTCAACC  
 TCCGGCCTTCTACTCTGTACCGTATCGATATCCACAGCTGCAACCACGAGGCTGAGAAGCTGGGCTGCAG  
 CGCCTCAAACCTTGTCTTTGCAAGAACCATGCCAGCAGAAGGAGCAGATGACATTCTGGCCAGTGACC  
 TGGGAGCCAAGACCTGAAAACCTCATCTTTTTAAAGTGGCCAGAACCAGAGAACCCCAACGGATTGATTC  
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 GAAGTATGGAGGGGCCAAACTTAACCGTCTAAACCCAGGGAACATAACGGCCCGGATTACAGGCTACCTCC  
 CTCTCTGGGAATGGGTCGTGGACAGATCCTGTGTTCTTCTATGTCCCAGCCAAAACAACGTATGAGAATT  
 TCATGCATCTGATCATTGCTCTGCCGGTGGCCATCCTGCTGATTGTGGGGGGCCTGGTAATCATGCTGTA  
 TGTCTTCCATAGAAAAGAGGAATAACAGCAGATTGGGCAACGGGGTGTGTACGCCCTGTGAACCCCGAG  
 TATTTAGCGCAGCTGATGTGTACGTGCCTGATGAATGGGAGGTAGCTCGGGAGAAGATCACCATGAACC  
 GGGAGCTCGACAAGGGTCTTCCGGATGGTCTATGAAGGAGTGGCAAGGGCGTGGTCAAGGACGAGCC  
 TGAAACCCAGAGTGGCCATCAAGACAGTGAATGAGGCTGCAAGTATGCGTGAGAGAATTGATTTTCAAC  
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 GCAGATGGCATGGCCTACCTCAATGCCAACAAGTTCGTCCACAGAGACCTGGCTGCTCGAACTGCATGG  
 TAGCTGAAGATTTACAGTCAAATTTGGAGATTTTGGTATGACACGAGACATCTACGAGACGGACTACTA  
 CCGGAAAGGCGGGAAGGGCTTGTGCCTGTGCGTGGATGTCTCCCGAGTCCCTCAAGGATGGCGTCTTC  
 ACCACTCATTCCGATGTCTGGTCTTTGGGGTCTGCTCTGGGAGATCGCCACTCTGGCTGAGCAGCCGT  
 ACCAGGGCCTGTCCAACGAGCAAGTTCTCGTTTCGTGATGGAGGGCGGCCTTCTGGACAAGCCGGATAA  
 CTGCCCGGATATGCTGTTTGAACCTATGCGCATGTGCTGGCAGTACAACCCCAAGATGCGGCCCTCCTTC  
 CTGGAGATCATCGAAAGCATCAAGGATGAGATGGAGCCAGTTTCCAGGAGGTCTCCTTCTACTACAGCG  
 AGGAGAACAAAGCCTCCAGAGCCGGAGGAGCTGGAGATGGAGCTGGAGCTGGAGCCCGAGAACATGGAGAG  
 CGTCCCGTGGACCTTCGGCCTCCTCAGCCTCCTGCCTGCTGCTGAAAGACACTCAGGACACAAGGCT  
 GAGAACGGCCCTGGCGTGTGTTCTCCGTGCCAGTTTGTGATGAGAGACAGCCTTACGCTCACATGAATG  
 GGGGACGCGCAACGAGAGGGCCTTGCCTGCCCCAGTCTCAACCTGCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_052807  
**Insert Size:** 4113 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.

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).

**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\\_052807.2](#), [NP\\_434694.1](#)

**RefSeq Size:** 4693 bp

**RefSeq ORF:** 4113 bp

**Locus ID:** 25718

**UniProt ID:** [P24062](#)

**Cytogenetics:** 1q22

**Gene Summary:** receptor for Igf-1; involved in induction of cell cycle progression and survival in many cell types [RGD, Feb 2006]