

Product datasheet for **RN200510**

Igf1 (NM_001082477) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Igf1 (NM_001082477) Rat Untagged Clone
Tag: Tag Free
Symbol: Igf1
Synonyms: IGF
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN200510 representing NM_001082477
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGAGCGCACCTCCAATAAAGATACACATCATGTCGTCTTCACATCTCTTCTACCTGGCACTCTGCTTGC
TCACCTTTACCAGCTCGCCACAGCCGACCAGAGACCCTTTGCGGGCTGAGCTGGTGGACGCTCTTCA
GTTGCTGTGTGGACCAAGGGCTTTTACTCAACAAGCCACAGGCTATGGCTCCAGCATTCCGAGGGCA
CCACAGACGGGCAATTGTGGATGAGTGTTGCTTCCGGAGCTGTGATCTGAGGAGGCTGGAGATGTACTGTG
CTCCGCTGAAGCCTACAAAGTCAGCTCGTTCCATCCGGGCCACGCGCCACTGACATGCCAAAGACTCA
GAAGTCCCAGCCCTATCGACACACAAGAAAAGGAAGCTGCAAAGGAGAAGGAAAGGAAGTACACTTGAA
GAACACAAG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001082477
Insert Size: 432 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).



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| 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: | <ol style="list-style-type: none">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: | <u>NM_001082477.2</u> , <u>NP_001075946.2</u> |
| RefSeq Size: | 1582 bp |
| RefSeq ORF: | 432 bp |
| Locus ID: | 24482 |
| UniProt ID: | <u>P08025</u> |
| Cytogenetics: | 7q13 |
| Gene Summary: | growth factor; plays a major role in mammalian growth [RGD, Feb 2006] Transcript Variant: This variant (1) differs in the 5' UTR and 5' coding region, compared to variant 3. These differences cause translation initiation from a distinct start codon and result in an isoform (a) with a novel C-terminus, compared to isoform c. This isoform is also known as IIC. |