

Product datasheet for **RN200509**

Igf1 (NM_001082479) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Igf1 (NM_001082479) 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: >RN200509 representing NM_001082479
Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGGGAAATCAGCAGTCTTCCAACCTCAATTATTTAAGATCTGCCTCTGTGACTTCTTGAAGATAAAGA
TACACATCATGTCGTCTTCACATCTCTTCTACCTGGCACTCTGCTTGTCTACCTTTACCAGCTCGGCCAC
AGCCGGACCAGAGACCCCTTTCGGGGCTGAGCTGGTGGACGCTCTTCAGTTCGTGTGTGGACCAAGGGGC
TTTACTTCAACAAGCCACAGGCTATGGCTCCAGCATTCGGAGGGCACACAGACGGGCATTGTGGATG
AGTGTGTCTCCGAGCTGTGATCTGAGGAGGCTGGAGATGTAAGTGTGCTCCGCTGAAGCCTACAAAGTC
AGCTCGTTCCATCCGGGCCAGCGCCACACTGACATGCCAAGACTCAGAAGGAAGTACACTTGAAGAAC
ACAAGTAGAGGAAGTGCAGGAAACAAGACCTACAGAAT**G****TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001082479
Insert Size: 462 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).



[View online »](#)

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_001082479.1, NP_001075948.1</u>
RefSeq Size:	1827 bp
RefSeq ORF:	462 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 (4) lacks an alternate frame-shifting exon in the 3' coding region, compared to variant 3, resulting in a protein (isoform d) with a novel C-terminus, compared to isoform c. This isoform is also known as IA.