

Product datasheet for **RR200509**

Igf1 (NM_001082479) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Igf1 (NM_001082479) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Igf1
Synonyms: IGF
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR200509 representing NM_001082479
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGAAAATCAGCAGTCTTCCAACCAATTATTTAAGATCTGCCTCTGTGACTTCTTGAAGATAAAGA
TACACATCATGTCGTCTTCACATCTCTTCTACCTGGCACTCTGCTTGCTCACCTTACCAGCTCGGCCAC
AGCCGGACCAGAGACCCCTTTCGGGGCTGAGCTGGTGGACGCTCTTCAGTTCGTGTGGACCAAGGGGC
TTTTACTCAACAAGCCACAGGCTATGGCTCCAGCATTTCGGAGGGCACCACAGACGGGCATTGTGGATG
AGTGTGCTTCCGGAGCTGTGATCTGAGGAGGCTGGAGATGTACTGTGCTCCGCTGAAGCCTACAAAGTC
AGCTCGTTCCATCCGGGCCAGCGCCACACTGACATGCCCAAGACTCAGAAGGAAGTACACTTGAAGAAC
ACAAGTAGAGGAAGTGCAGGAAACAAGACCTACAGAATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR200509 representing NM_001082479
Red=Cloning site Green=Tags(s)

MGISSLPTQLFKICLCLDFLKIKIHIMSSSHLFYLALCLLFTSSATAGPETLCGAELVDALQFVCGPRG
FYFNKPTGYGSSIRRAPQTGIVDECCFRSCDLRRLREMYCAPLKPKTSARSIRAQRHTDMPKTQKEVHLKN
TSRGSAGNKTYRM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:


ACCN: NM_001082479

ORF Size: 459 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001082479.1](#), [NP_001075948.1](#)

RefSeq Size: 1827 bp

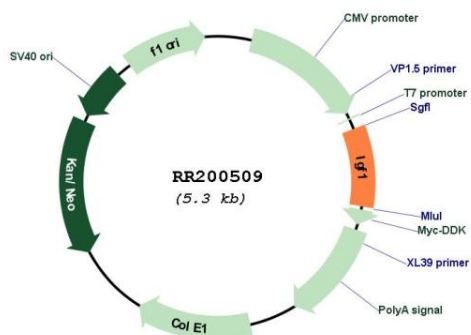
RefSeq ORF: 462 bp

Locus ID: 24482

UniProt ID: [P08025](#)

Cytogenetics: 7q13
 MW: 17.1 kDa
 Gene Summary: growth factor; plays a major role in mammalian growth [RGD, Feb 2006]

Product images:



Circular map for RR200509