

Product datasheet for **RR207573**

Igf2 (NM_031511) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Igf2 (NM_031511) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Igf2
Synonyms: IGFII; RNIGF2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR207573 representing NM_031511
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGGCGGCAGCGTCGCCGGCTCCAGGTACCAATGGGGATCCCAGTGGGGAAGTCGATGTTGGTGCTTC
TCATCTCTTTGGCCTTCGCTTGTGCTGCATCGCTGCTTACCGCCCCAGCGAGACTCTGTGCGGAGGGGA
GCTTGTGACACGCTTCAGTTTGTCTGTTCCGACCGCGGCTTCTACTTCAGCAGGCCCTTCAAGCCGTGCC
AACCGTCGCAGCCGTGGCATCGTGGAAGAGTGTGCTTCCGCAGCTGCGACTTGGCCCTCCTGGAGACAT
ACTGTGCCACCCCGCCAAGTCCGAGAGGGACGTGTCTACCTCTCAGGCCGACTTCCGGACGACTTCCC
CAGATACCCCGTGGCAAGTTCTTCAAATTCGACACCTGGAGACAGTCCGCGGGACGCCTGCGCAGAGGC
CTGCCTGCCCTCCTGCGTGCCCGCCGGGTGCGATGCTTGCCAAAGAGCTCGAAGCGTTCAGAGAGGCCA
AGCGCCACCGTCCCCTGATCGTGTACCACCCAAAGACCCCGCCACGGGGGAGCCTCTTCGGAGATGTC
CAGCAACCATCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR207573 representing NM_031511
Red=Cloning site Green=Tags(s)

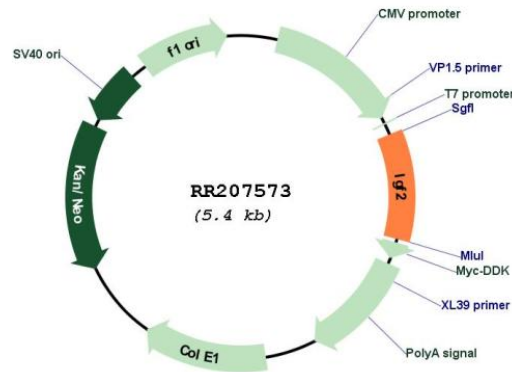
MGGSVAGFQVPMGIPVGKSMVLVLLISLAFALCCIAAYRPSETLCGGELVDTLQFVCSDRGFYFSRPSSRA
NRRSRGIVEECCFRSCDLALLETYCATPAKSERDVSTSQAFLPDDFPRYPVGKFFKFDWTRQAGRLRRG
LPALLRARRGRMLAKELEAFREAKRHRPLIVLPPKDPAHGGASSEMSNHQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:

Plasmid Map:


ACCN: NM_031511

ORF Size: 573 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_031511.2](#), [NP_113699.2](#)

RefSeq Size: 4494 bp

RefSeq ORF: 576 bp

Locus ID: 24483

UniProt ID: [P01346](#)

Cytogenetics: 1q41

MW: 21.1 kDa

Gene Summary: a mitogenic growth factor; may have a role in fetal development [RGD, Feb 2006]