

## Product datasheet for **RN215970**

### Igf2 (NM\_001190162) Rat Untagged Clone

#### Product data:

|                      |  |
|----------------------|--|
| Product Type:        | Expression Plasmids  |
| Product Name:        | Igf2 (NM_001190162) Rat Untagged Clone   |
| Tag:                 | Tag Free   |
| Symbol:              | Igf2   |
| Synonyms:            | IGFII; RNIGF2  |
| Vector:              | pCMV6-Entry (PS100001)   |
| E. coli Selection:   | Kanamycin (25 ug/mL)   |
| Cell Selection:      | Neomycin   |
| Fully Sequenced ORF: | >RN215970 representing NM_001190162<br>Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGGATCCCAGTGGGAAGTCGATGTTGGTGCTTCTCATCTCTTTGGCCTTCGCCTTGCTGCATCG  
CTGCTTACGCCCCAGCGAGACTCTGTGCGGAGGGGAGCTTGTTGACACGCTTCAGTTTGTCTGTTCCGA  
CCGCGGCTTCTACTTCAGCAGGCCTTCAAGCCGTGCCAACCGTCGCAGCCGTGGCATCGTGAAGAGTGC  
TGCTTCCGAGCTGCGACTTGGCCCTCCTGGAGACATACTGTGCCACCCCGCCAAGTCCGAGAGGGACG  
TGCTACCTCTCAGGCCGTACTTCCGGACGACTTCCCCAGATACCCCGTGGGCAAGTTCTTCAAATTCGA  
CACCTGGAGACAGTCCGCGGGACGCTGCGCAGAGGCCTGCCTGCCCTCCTGCGTGCCCGCGGGGTGCG  
ATGCTTGCCAAAGAGCTCGAAGCGTTTCAGAGAGGCCAAGCGCCACCGTCCCCTGATCGTGTACCACCCA  
AAGACCCCGCCACGGGGGAGCCTCTTCGGAGATGTCCAGCAACCATCAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

|                    |              |
|--------------------|--------------|
| Restriction Sites: | Sgfl-MluI    |
| ACCN:              | NM_001190162 |
| Insert Size:       | 543 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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|                               |  |
|-------------------------------|--|
| <b>OTI Annotation:</b>        | Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.   |
| <b>Components:</b>            | 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).   |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>  |
| <b>RefSeq:</b>                | <u><a href="#">NM_001190162.1</a></u> , <u><a href="#">NP_001177091.1</a></u>  |
| <b>RefSeq Size:</b>           | 3519 bp  |
| <b>RefSeq ORF:</b>            | 543 bp   |
| <b>Locus ID:</b>              | 24483  |
| <b>UniProt ID:</b>            | <u><a href="#">P01346</a></u>  |
| <b>Cytogenetics:</b>          | 1q41   |
| <b>Gene Summary:</b>          | <p>a mitogenic growth factor; may have a role in fetal development [RGD, Feb 2006]<br/>Transcript Variant: This variant (2) uses an alternate exon at its 5' terminus and uses a downstream in-frame start codon, compared to variant 1. This results in a protein (isoform 2) with a shorter N-terminus, compared to isoform 1. Variants 2 and 3 encode the same protein.<br/>Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p> |