

## Product datasheet for **SC320234**

### IGF2 (NM\_001007139) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** IGF2 (NM\_001007139) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** IGF2  
**Synonyms:** C11orf43; GRDF; IGF-II; PP9974; SRS3  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC (PS100020)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_001007139.3  
 CGGCACGAGGCCAGCTCCTAGCCTCCGACTCCCTCCCCCTCAGCCCCCCTCTCGCC  
 TTCGCCGAACCAAGTGGATTAATTACACGCTTTCTGTTTCTCTCCGTGCTGTTCTCTCC  
 CGCTGTGCGCCTGCCCGCTCTCGCTGTCTCTCCCCCTCGCCCTCTCTTCGGCCCCC  
 CCTTTTACGTTCACTCTGTCTCTCCACTATCTGTGCCCTCTATCCTTGATACAAC  
 AGCTGACCTATTTCCGATACCTTTTCCCCCGAAAAGTACAACATCTGGCCCCCCCC  
 AGCCCCAAGACAGCCGTCCTCCCTGGACAATCAGACGAATTCTCCCCCCCCCCCCCAA  
 AAAAAAGCCATCCCCCGCTCTGCCCGTCGCACATTGGCCCCCGGACTCGGCCAGAG  
 CGGCGCTGGCAGAGGAGTGTCCGGCAGGAGGGCCAACGCCCGCTGTTCCGGTTTGGCAGAC  
 GCAGCAGGAGGTGGCGGCAGCGTCGCCGGCTCCAGACACCAATGGGAATCCCAATGG  
 GGAAGTCGATGCTGGTGTCTTCTACCTTCTTGGCCTTCGCCTCGTGTGCTGCTGCTT  
 ACCGCCCAAGTGAGACCTGTGCGGGGGAGCTGGTGGACACCTCCAGTTCGTCTGTG  
 GGGACCGCGCTTCTACTTCAGCAGGCCCGCAAGCCGTGTGAGCCGTCCGAGCCGTGGCA  
 TCGTTGAGGAGTGTGTTCCGCAGCTGTGACCTGGCCCTCCTGGAGACGTAAGTGTGCTA  
 CCCCCGCAAGTCCGAGAGGGACGTGTGACCCCTCCGACCGTGTTCGGGACAATTCC  
 CCAGATACCCCGTGGGCAAGTTCTTCCAATATGACACCTGGAAGCAGTCCACCCAGCGCC  
 TGCGCAGGGGCTGCCTGCCCTCCTGCGTGCCCGCCGGGTACGCTGCTCGCAAGGAGC  
 TCGAGGCGTTTCCAGGAGGCCAAACGTACCGTCCCCTGATTGCTTACCCACCAAGACC  
 CCGCCACGGGGCGCCCCCAGAGATGGCCAGCAATCGGAAGTGAGCAAAAATGCCGC  
 AAGTCTGCAGCCCGGCCACCATCCTGCAGCCTCCTCCTGACCACGGAGTTTTCCATCA  
 GGTTCATCCCCAAAATCTCTCGTTCCAGTCCCCCTGGGGCTTCTCCTGACCCAGTCC  
 CCGTGCCCGCCTCCCCGAAACAGGCTACTCTCCTCGGCCCTCCATCGGGCTGAGGAA  
 GCACAGCAGCATTTCAAACATGTACAAAATCGATTGGCTTTAAACACCCCTTACATACC  
 CTCCCCCAAATTATCCCCAATTATCCCCACACATAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire



[View online »](#)

<b>ACCN:</b>	NM_001007139
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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>	<a href="#">NM_001007139.3</a> , <a href="#">NP_001007140.2</a>
<b>RefSeq Size:</b>	5139 bp
<b>RefSeq ORF:</b>	543 bp
<b>Locus ID:</b>	3481
<b>UniProt ID:</b>	<a href="#">P01344</a>
<b>Cytogenetics:</b>	11p15.5
<b>Protein Families:</b>	Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein
<b>Gene Summary:</b>	<p>This gene encodes a member of the insulin family of polypeptide growth factors, which are involved in development and growth. It is an imprinted gene, expressed only from the paternal allele, and epigenetic changes at this locus are associated with Wilms tumour, Beckwith-Wiedemann syndrome, rhabdomyosarcoma, and Silver-Russell syndrome. A read-through INS-IGF2 gene exists, whose 5' region overlaps the INS gene and the 3' region overlaps this gene. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2010]</p> <p>Transcript Variant: This variant (2) contains two alternate 5' non-coding exons, therefore, has a different 5' UTR compared to variant 1. Variants 1, 2, 4 and 5 encode the same isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.</p>