OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC334214

IGF2 (NM_001291862) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IGF2 (NM_001291862) Human Untagged Clone
Tag:	Tag Free
Symbol:	IGF2
Synonyms:	C11orf43; GRDF; IGF-II; PP9974; SRS3
Vector:	pCMV6 series
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001291862, the custom clone sequence may differ by one or more nucleotides

ATGGGAATCCCAATGGGGAAGTCGATGCTGGTGCTTCTCACCTTCTTGGCCTTCGCCTCGTGCTGCATTG
CTGCTTACCGCCCCAGTGAGACCCTGTGCGGCGGGGAGCTGGTGGACACCCTCCAGTTCGTCTGTGGGGA
CCGCGGCTTCTACTTCAGCAGGCCCGCAAGCCGTGTGAGCCGTCGCAGCCGTGGCATCGTTGAGGAGTGC
TGTTTCCGCAGCTGTGACCTGGCCCTCCTGGAGACGTACTGTGCTACCCCCGCCAAGTCCGAGAGGGACG
TGTCGACCCCTCCGACCGTGCTTCCGGACAACTTCCCCAGATACCCCGTGGGCAAGTTCTTCCAATATGA
CACCTGGAAGCAGTCCACCCAGCGCCTGCGCAGGGGCCTGCCTGCCCTCCTGCGTGCCCGCCGGGGTCAC
GTGCTCGCCAAGGAGCTCGAGGCGTTCAGGGAGGCCAAACGTCACCGTCCCCTGATTGCTCTACCCACCC
AAGACCCCGCCCACGGGGGCGCCCCCCCAGAGATGGCCAGCAATCGGAAGTGA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001291862
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).
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).

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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_001291862.2, NP_001278791.1
RefSeq Size:	4710 bp
RefSeq ORF:	543 bp
Locus ID:	3481
UniProt ID:	P01344
Cytogenetics:	11p15.5
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein
Gene Summary:	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] Transcript Variant: This variant (5) differs in the 5' UTR exon, 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 to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.