

Product datasheet for SC119786

IGF2 (NM_000612) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IGF2 (NM_000612) Human Untagged Clone
Tag:	Tag Free
Symbol:	IGF2
Synonyms:	C11orf43; GRDF; IGF-II; PP9974; SRS3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_000612 edited
 GAATTCGGCACGAGGCCCTCGTGCCGAATTCGGCACGAGGTCGGCCCCCGCGACTCGGCCA
 GAGCGGCCTGGCAGAGGAGTGTCCGGCAGGAGGCCAACGCCGCTGTTGCGTTTGCGA
 CACGCAGCAGGGAGGTGGGCGGCAGCGTCGCCGGCTTCCAGACACCAATGGGAATCCCAA
 TGGGGAAGTCGATGCTGGTGCTTCTCACCTTCTGGCCTTCGCTCGTGCATTGCTG
 CTTACCGCCCCAGTGAGACCCTGTGCGGCGGGGAGCTGGTGGACACCCTCCAGTTCGTCT
 GTGGGGACCGCGCTTCTACTTCAGCAGGCCCGCAAGCCGTGTGAGCCGTCGAGCCGTG
 GCATCGTTGAGGAGTGTGTTCCGCAGCTGTGACCTGGCCCTCCTGGAGACGTAAGTGTG
 CTACCCCGCCAAGTCCGAGAGGGACGTGTCGACCCCTCCGACCGTGTCCGGACAAC
 TCCCCAGATACCCCGTGGCAAGTCTTCCAATATGACACCTGGAAGCAGTCCACCCAGC
 GCCTGCGCAGGGGCTGCCTGCCCTCCTGCGTGCCCGCCGGGGTACGTGCTCGCCAAGG
 AGCTCGAGGCGTTCAGGGAGGCCAAACGTCACCGTCCCCTGATTGCTCTACCCACCCAAG
 ACCCCGCCACGGGGGCGCCCCCAGAGATGGCCAGCAATCGGAAGTGAGCAAACTGC
 CGCAAGTCTGCAGCCCGGCGCCACCATCCTGCAGCCTCCTCCTGACCACGGACGTTTCCA
 TCAGGTTCCATCCCGAAAATCTCTCGGTTCCACGTCGCCCTGGGGCTTCTCCTGACCCAG
 TCCCCGTGCCCGCTCCCCGAAACAGGCTACTCTCCTCGGCCCCCTCCATCGGGCTGAG
 GAAGCACAGCAGCATCTTCAAACATGTACAAAATCGATTGGCTTTAAACACCCCTTACAT
 ACCCTCCCCCAAATTATCCCCAATTATCCCCACACATAAAAAATCAAAACATTAATA
 ACCCCCTTCCCCCCCCCACAACACCCTCTTAAACTAATTGGCTTTTTAGAAACACC
 CCACAAAAGCTCAGAAATTGGCTTTAAAAAAAACAACCACCAAAAAAATCAATTGGCTA
 AAAAAAAAAAAAAAAAAACTCGAC



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_000612 unedited TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCCTCGTGCCGAAT TCGGCACGAGGTCGGCCCCCGGACTCGGCCAGAGCGGCCTGGCAGAGGAGTGTCCGGC AGGAGGGCCAACGCCCGTGTTCGGTTTGCACACGCAGCAGGGAGGTGGGCGGCAGCGT CGCCGGCTTCCAGACACCAATGGGAATCCCAATGGGAAGTCGATGCTGGTGCTTCTCAC CTTCTTGGCCTTCGCCTCGTGTGCATTGCTGCTTACCGCCCCAGTGAGACCTGTGCGG CGGGAGCTGGTGACACCCTCCAGTTCGTCTGTGGGGACCGCGCTTCTACTTCAGCAG GCCCGCAAGCCGTGTGAGCCGTCGACCCGTGGCATCGTTGAGGAGTGCTGTTTCCGCAG CTGTGACCTGGCCCTCCTGGAGACGTA CTGTGCTACCCCGCCAAGTCCGAGAGGGACGT GTCGACCCTCCGACCGTCTTCCGACA ACTTCCCAGATACCCCGTGGGCAAGTTCTT CCAATATGACACCTGNAAGCAGTCCACCCAGCGCTGCGCAGGGGCTGCCTGCCCTCT GCGTGCCCGCCGNGTCACGTGCTCGCCAAGAGCTCGAGGCGTTCAGGGAGGCCAAACGT CACCGTCCCTGATTGCTCTACCCACCAAGACCCCGCCACGGGGCGCCCCCAGAG ATGCCAGCATTGGAAGTGAGCAAACTGGCCGAGTCTGCAGCCCGGCCACCATCC TGCAGCCTCCTNCTGACCACGNACGTTTCCATCANGTTCCATCCCGAATCTCTGNNNTC CACGTCCCTGGGCTTCTCTTGAACCAATNCCC
Restriction Sites:	NotI-NotI
ACCN:	NM_000612
Insert Size:	1210 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).
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:	<ol style="list-style-type: none">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_000612.1 , NP_000603.1
RefSeq Size:	1640 bp
RefSeq ORF:	543 bp
Locus ID:	3481
UniProt ID:	P01344
Cytogenetics:	11p15.5
Domains:	IIGF
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 (1) represents the most predominant transcript. 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.