

Product datasheet for SC311232

INS-IGF2 (NM_001042376) Human Untagged Clone

Product data:

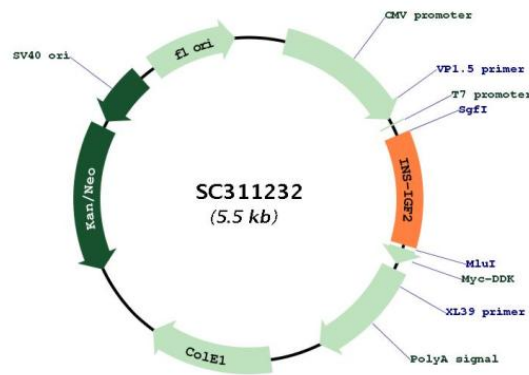
Product Type:	Expression Plasmids
Product Name:	INS-IGF2 (NM_001042376) Human Untagged Clone
Tag:	Tag Free
Symbol:	INS-IGF2
Synonyms:	INSIGF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC311232 representing NM_001042376. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCCTGTGGATGCGCCTCTGCCCTGCTGGCGCTGCTGGCCCTCTGGGGACCTGACCCAGCCGCA
GCCTTTGTGAACCAACACCTGTGCGGCTCACACCTGGTGAAGCTCTCTACCTAGTGTGCGGGGAACGA
GGCTTCTTCTACACACCAAGACCCGCCGGGAGGCAGAGGACCTGCAGGCCTCAGCTTTGTCCTCTCC
TCCTCCACGTCAACCTGGCCAGAGGGTCTGGACGCCACAGCCAGGGCAGCCCTGCTTTGGTGGTGACT
GCTAATATTGGCCAGGCCGGGATCATCGTCCAGGCAGTTTCGGCAGAGAGCCTTGGGCACCAAGTAC
TCCCCGGTCTCTTTATCCACTGTCCAGGAGCTGCGGGGACTGCGCAGGGACTAGAGTACAGGGGCCGA
AGAGTACCACCGAGCTTGTGTGGGAGGAGGTGGATTCCAGCCCCAGCCCCAGGGCTCTGAATCGCTG
CCAGCTCAGCCCCCTGCCAGCCTGCCCCACAGCCTGAGCCCCAGCAGGCCAGAGAGCCAGTCCCTGAG
GTGAGCTGCTGTGGCCTGTGGCCAGGGCAGCCAGCGCTCCCAGAACTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-MluI



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Plasmid Map:


ACCN: NM_001042376

Insert Size: 603 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).

OTI Annotation: 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.

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:	<u>NM_001042376.2</u>
RefSeq Size:	847 bp
RefSeq ORF:	603 bp
Locus ID:	723961
UniProt ID:	<u>F8WCM5</u>
Cytogenetics:	11p15.5
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein
MW:	21.5 kDa
Gene Summary:	<p>This locus includes two alternatively spliced read-through transcript variants which align to the INS gene in the 5' region and to the IGF2 gene in the 3' region. One transcript is predicted to encode a protein which shares the N-terminus with the INS protein but has a distinct and longer C-terminus, whereas the other transcript is a candidate for nonsense-mediated decay (NMD). The transcripts are imprinted and are paternally expressed in the limb and eye. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2, also known as INSIGF short) represents the shorter transcript and is protein-coding.</p>