

## Product datasheet for **SC324059**

### IMP3 (IGF2BP3) (NM\_006547) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	IMP3 (IGF2BP3) (NM_006547) Human Untagged Clone
Tag:	Tag Free
Symbol:	IMP3
Synonyms:	CT98; IMP-3; IMP3; KOC; KOC1; VICKZ3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_006547.2  
 GTGCGTTTGGGTTGTAGCTAGGCTTTTTCTTTCTTTCTTTTAAAAACATCTAGACA  
 AGGAAAAACAAGCCTCGGATCTGATTTTTCACTCCTCGTTCTTGTGCTTGGTCTTACT  
 GTGTTTGTGATTTTAAAGGCGAGAAGACGAGGGGAACAAAACCAGCTGGATCCATCCAT  
 CACCGTGGGTGGTTTTAATTTTTCTGTTTTCTCGTTATTTTTTTTTAAACAACCACTCT  
 TCACAAATGAACAACTGTATATCGGAAACCTCAGCGAGAACGCCGCCCTCGGACCTAG  
 AAAGTATCTTCAAGGACGCCAAGATCCCGGTGTCGGGACCCTTCTGGTGAAGACTGGT  
 ACGCGTTCTGTTGACTGCCCGGACGAGAGCTGGGCCCTCAAGGCCATCGAGGCGCTTTCAG  
 GTAAAATAGAAGTGCACGGGAAACCCATAGAAGTTGAGCACTCGTCCAAAAAGGCAAA  
 GGATTCGGAAACTTCAGATACGAAATATCCCGCCTCATTTACAGTGGGAGGTGCTGGATA  
 GTTTACTAGTCCAGTATGGAGTGGTGGAGAGCTGTGAGCAAGTGAACACTGACTCGGAAA  
 CTGCAGTTGTAATGTAACCTATTCCAGTAAGGACCAAGCTAGACAAGCACTAGACAAAC  
 TGAATGGATTTGAGTATAGAGAATTTACCTTGAAGTAGCCTATATCCCTGATGAAATGG  
 CCGCCCAGCAAAACCCCTTGCAGCAGCCCCGAGGTGCGCCGGGGCTTGGGAGAGGGGCT  
 CCTCAAGGCAGGGGTCTCCAGGATCCGTATCCAAGCAGAAACCATGTGATTTGCCTCTGC  
 GCCTGCTGGTTCCACCCAATTTGTTGGAGCCATCATAGGAAAAGAAGGTGCCACCATTC  
 GGAACATCACAAACAGACCCAGTCTAAAATCGATGTCCACCGTAAAGAAAATGCGGGGG  
 CTGCTGAGAAGTCGATTACTATCCTCTCTACTCCTGAAGGCACCTCTGCGGCTTGTAAAGT  
 CTATTCTGGAGATTATGCATAAGGAAGCTCAAGATATAAAATTCACAGAAGAGATCCCCT  
 TGAAGATTTTAGCTCATAATAACTTTGTTGGACGCTTATTGGTAAAGAAGGAAGAAATC  
 TAAAAAAATTTGAGCAAGACACAGACACTAAAATCAGGATATCTCCATTGCAGGAATTGA  
 CGCTGTATAATCCAGAACGCACTATTACAGTTAAAGGCAATGTTGAGACATGTGCCAAAG  
 CTGAGGAGGAGATCATGAAGAAAATCAGGGAGTCTTATGAAAATGATATTGCTTCTATGA  
 ATCTTCAAGCACATTTAATTCCTGGATTAATCTGAACGCCTTGGGTCTGTTCCACCCA  
 CTTCAGGGATGCCACCTCCACCTCAGGGCCCCCTTCCAGCCATGACTCCTCCCTACCCGC  
 AGTTTGAGCAATCAGAAACGGAGACTGTTTCTGTTTATCCCAGCTCTATCAGTCGGTG  
 CCATCATCGGCAAGCAGGGCCAGCACATCAAGCAGCTTCTCGCTTGTGCTGGAGTTCAA  
 TTAAGATTGCTCCAGCAGAAGCACCAGATGCTAAAGTGAAGTGGTATTACTGAGC  
 CACCAGAGGCTCAGTTCAAGGCTCAGGGAAGAATTTATGGAAAATTAAGAAGAAAAT  
 TTGTTAGTCTAAAGAAGAGGTGAAACTTGAAGCTCATATCAGAGTGCCATCCTTTGCTG  
 CTGGCAGAGTTATTGAAAAGGAGGCAAAACGGTGAATGAACTTCAGAATTTGTCAAGTG  
 CAGAAGTTGTTGTCCCTCGTGACCAGACCTGATGAGAATGACCAAGTGGTTGTCAAAA  
 TAACTGGTCACTTCTATGCTTGCCAGGTTGCCAGAGAAAATTCAGGAAATTTGACTC  
 AGGTAAAGCAGCACCAACAACAGAAGGCTCTGCAAAGTGGACCACCTCAGTCAAGACGGA  
 AGTAAAGGCTCAGGAAACAGCCACCACAGAGGCAGATGCCAAACCAAAGACAGATTGCT  
 TAACCAACAGATGGGCGCTGACCCCTATCCAGAATCACATGCACAAGTTTTTACCTAGC  
 CAGTTGTTTCTGAGGACCAGGCAACTTTTGAACCTGTCTGTGAGAATGTATACTTT  
 ATGCTCTCTGAAATGTATGACACCCAGCTTTAAAAACAAACAAACAAAAAAAAAAAAAA

**Restriction Sites:** ECoRI-NOT

**ACCN:** NM\_006547

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**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:** [NM\\_006547.2](#), [NP\\_006538.2](#)

**RefSeq Size:** 4168 bp

**RefSeq ORF:** 1740 bp

**Locus ID:** 10643

**UniProt ID:** [O00425](#)

**Cytogenetics:** 7p15.3

**Domains:** RRM, KH

**Gene Summary:** The protein encoded by this gene is primarily found in the nucleolus, where it can bind to the 5' UTR of the insulin-like growth factor II leader 3 mRNA and may repress translation of insulin-like growth factor II during late development. The encoded protein contains several KH domains, which are important in RNA binding and are known to be involved in RNA synthesis and metabolism. A pseudogene exists on chromosome 7, and there are putative pseudogenes on other chromosomes. [provided by RefSeq, Jul 2008]