

Product datasheet for **SC111161**

IMP3 (IGF2BP3) (NM_006547) Human Untagged Clone

Product data:

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|---------------------------|---|
| 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: | None |
| Vector: | <u>pCMV6-XL4</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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Fully Sequenced ORF: >OriGene ORF within SC111161 sequence for NM_006547 edited (data generated by NextGen Sequencing)

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ATGAACAACTGTATATCGGAAACCTCAGCGAGAACGCCGCCCTCGGACCTAGAAAGT
ATCTTCAAGGACGCCAAGATCCCGGTGTCGGGACCCTTCTGGTGAAGACTGGCTACGCG
TTCGTGGACTGCCCGACGAGAGCTGGGCCCTCAAGGCCATCGAGGCGCTTTCAGTAAA
ATAGAAGTGCACGGGAAACCCATAGAAGTTGAGCACTCGGTCCAAAAAGGCAAAGGATT
CGGAAACTTCAGATACGAAATATCCCGCCTCATTTACAGTGGGAGGTGCTGGATAGTTTA
CTAGTCCAGTATGGAGTGGTGGAGAGCTGTGAGCAAGTGAACACTGACTCGGAAACTGCA
GTTGTAATGTAACCTATTCCAGTAAGGACCAAGCTAGACAAGCACTAGACAAACTGAAT
GGATTTAGTTAGAGAATTTACCTTGAAGTAGCCTATATCCCTGATGAAATGGCCGCC
CAGCAAAACCCCTTGACGAGCCCGAGGTCGCCGGGGCTTGGCAGAGGGGCTCCTCA
AGGCAGGGGTCTCCAGGATCCGATCCAAGCAGAAACCATGTGATTTGCCTCTGCGCCTG
CTGTTCCCAACCAATTTGTTGGAGCCATCATAGGAAAAGAGGTGCCACCATTCGGAAC
ATCACCAACAGACCCAGTCTAAAATCGATGTCCACCGTAAAGAAAATGCGGGGGCTGCT
GAGAAGTCGATTACTATCCTCTACTCCTGAAGGCACCTCTGCGGCTTGAAGTCTATT
CTGAGATTATGCATAAGGAAGCTCAAGATATAAAATTCACAGAAGAGATCCCTTGAAG
ATTTTAGCTCATAATAACTTTGTTGGACGCTTATTGGTAAAGAAGGAAGAAATCTTAAA
AAAATTGAGCAAGACACAGACTAAAATCACGATATCTCCATTGCAGGAATTGACGCTG
TATAATCCAGAACGCACTATTACAGTTAAAGGCAATGTTGAGACATGTGCCAAAGCTGAG
GAGGAGATCATGAAGAAAATCAGGGAGTCTTATGAAAAATGATATTGCTTCTATGAATCTT
CAAGCACATTTAATTCCTGGATTAATCTGAACGCCTTGGGTCTGTTCCCAACCACTTCA
GGGATGCCACCTCCACCTCAGGGCCCCCTCAGCCATGACTCCTCCCTACCCGCACTTT
GAGCAATCAGAAACGGAGACTGTTTCATCTGTTTATCCAGCTCTATCAGTCGGTGCCATC
ATCGGCAAGCAGGGCCAGCACATCAAGCAGCTTCTCGCTTGGTGGAGCTTCAATTAAG
ATTGCTCCAGCAGAAGCACCAGATGCTAAAGTGAGGATGGTGATTACTGACCACCA
GAGGCTCAGTTCAAGGCTCAGGGAAGATTTATGGAAAAATTAAGAAGAAAATTTGTT
AGTCTAAAGAAGAGGTGAAACTGAAGCTCATATCAGAGTGCATCCTTTGCTGCTGGC
AGAGTTATTGGAAAAGGAGGCAAAACGGTGAATGAACTTCAGAAATTTGCAAGTGCAGAA
GTTGTTGCCCTCGTGACCAGACACCTGATGAGAAATGACCAAGTGGTTGTCAAATAACT
GGTCACCTCTATGCTTGCAGGTTGCCAGAGAAAAATTCAGGAAATTCGACTCAGGTA
AAGCAGCACCAACAACAGAAGGCTCTGCAAAGTGACCACCTCAGTCAAGACGGAAGTAA
  
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Clone variation with respect to NM_006547.2
1332 g=>a

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_006547 unedited
TACCATTTATGTATACGACTCACTATAGGGCGGCCGACATTGCACGAGGAGACTGGT
GGATGCGTTTGGTTGTAGCTAGGCTTTTTCTTTCTTTCTTTTAAAAACATCTAGA
CAAGGAAAAAACAAGCCTCGGATCTGATTTTTACTCCTCGTTCTTGTGCTTGGTTCTTA
CTGTGTTTGTGTATTTAAAGGCGAGAAGACGAGGGGAACAAAACAGCTGGATCCATCC
ATCACCGTGGGTGGTTTTAATTTTTCTGTTTTTCTGTTATTTTTTTTTAAACAACCACT
CTTCAATGAACAACTGTATATCGGAAACCTCAGCGAGAACGCCGCCCTCGGACCT
AGAAAGTATCTTCAAGGACGCCAAGATCCCGGTGTCGGGACCCTTCTGGTGAAGACTGG
CTACGCGTTCGTGGACTGCCCGACGAGAGCTGGGCCCTCAAGGCCATCGAGGCGCTTTC
AGGTAAAATAGAAGTGCACGGGAAACCCATAGAAGTTGAGCACTCGGTCCAAAAAGGCA
AAGGATTCGGAAACTTCAGATACGAAATATCCCGCCTCATTTACAGTGGGAGGTGCTGGA
TAGTTTACTAGTCCAGTATGGAGTGGTGGAGAGCTGTGAGCCAGTGAACACTGACTCGGA
AACTGCAGTTGTAATGTAACCTATTCCAGTAAGGACCAAGCTAGACAAGCCCTAGACAA
ACTGAATGGATTTAGNTAGAGGATTTACCCTGAAAGTAGCCTATATCCCTGATGAAAT
GGGCGCCAGCAAAACCCCTTGACGAGCCCGAGTTCGCCGGGGGCTTTGGCAGAAGGG
CTCCTAAAGGCAGGGCTTCCAGGATCCGTATCCAGCACAAACCCGGTGATTGCCTTGGCC
TGCTGGTTCCCCCTTGGTGGAGCCTTAGAAAAGCAGGGCCCCT
  
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| 3' Read Nucleotide Sequence: | >OriGene 3' read for NM_006547 unedited AGCTCTGGACCGCGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTGGCACCT AAATGATGAAAAATTTAGTCTGCGTCAAGGTATCTGAGAAAATGAAGCTGCATTTGGGG CACATTATACATGAGGAATGATCCATATATGGTGAGTACAAAACCAATTATAGAATTAT TTCTTAGCTAGTACCAGATACTCAAATTACAAATGCTTAAGTAAAAGTAAAATATGATT TGCCATACTAAAAGGCTAGAAGTAAAATGACAGAATTTAAACCAGCAGATATAAATGC AGCACCTATGTGTATATTTTTAAAAAATCAAATATTGGGGAAAAAATCAAATACTGAGA AAAGCTCTGGCCTTAAACACATCTTACCTGAAATCCAACCAGAAAGCCAGTCCATGATTT TAGCAATTTTAATTCATTGTATGAAAAAATCATGAATGCTAGGAGAATCCAGTGACA AAAAGGGCACTTTTTGGTTAAACTACAAAAGAACTGTTTTTCAGAGAACATTAAGGA AAACACTTTAAATCATTTCAAAATGTCTAATTGATCTTCAGAAAAACATCTAGTCTGTA TAGAAATTCATCTTGAATAAGAATGAGGCAGTGATTCTTTTTTAAAGGGTTATATATA TGTCTTTAGATCAGTGAACATGACTGTGATCATCTTACANACAAAACANAAAATCA ATTCAGAGAGCAGCGTGGCCTTGGAGACCACCCACCCACACAATTGTACGTACTGGG CTTTGCTGTCAGGAGTGAGCANATGAGTTCGTATCNAAGTCATATGTTTTCACAGTCAT TCAAATTATATCCANAACTTTNNCTGGATCTCTATCTTTTGACTTTNTTTTCAAGAAA CTGATGACAGTATCAGAAATCTGTATACTTTNACTACTAGGNGAGNCTAATTTTTTTTT AANTNATCANGCT |
| Restriction Sites: | ECoRI-NOT |
| ACCN: | NM_006547 |
| Insert Size: | 2050 bp |
| 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 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 |
| 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_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]