

Product datasheet for **MR204018**

Igfbp3 (NM_008343) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Igfbp3 (NM_008343) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Igfbp3
Synonyms: A1649005; IGFBP-3; IGfbp3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR204018 representing NM_008343
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCATCCCGCGGCCCGCGCTCTGGGCGGCTGCGCTCACTGCCCTCACTCTGCTCCGCGG[AT]CCGC
 CGGTGGCGCGAGCTGGCGGGGCGCGGTGGGCGGGGCCCGTGGTGGCTGCGCTGCGAACCGTGCACGCGCG
 TGGCTGTCCCAGTGGCGCCTCCGCCACTGCGCCCGGTGCACGGAGCTGGTGGAGAGCCCGGCTGC
 GGCTGCTGCTGACTTGGCGCTGCGCGAAGGCGACGCGTGGCGCTACACGGAGCGCTGTGGCACCG
 GCCTCCGCTGCCAGCGCGGCCCGGGAGCAGTACCCGCTGAGGGCGCTGCTGAATGGCCGCGGGTTCTG
 CGCAACGCCAGCGCTGCAGGCAGCCTAAGCACCTACCTCCCCTCCCAACCTGCTCCAGGAAACATCAGT
 GAGTCCGAGGAGGAGCACAATGCTGGGAGTGTGGAAAGCCAGTTGTCCCAGCACACACCGAGTGACCG
 ATTCAAAGTTCCATCCACTCCATGCCAAGATGGATGTCATCAAAAAGGCCACGCCAGGGACAGCCAGCG
 CTACAAAGTTGACTATGAGTCTCAAAGCACAGACCCAGAATTCTCTCCGAGTCTAAGCGGGAGACA
 GAATACGGTCCCTGCCGAGAGAAATGGAGGACACACTGAATCATCTGAAGTTCTCAATGTGCTGAGTC
 CCAGAGGCGTCCACATCCCAAAGTGTGACAAGAAGGGTTCTATAAGAAGAAGCAGTGCCGCCCTCCAA
 AGGCAGAAAGCGGGCTTCTGCTGGTGTGTGGACAAGTATGGGACGCCCTTGCCAGGCTACGACACCAAG
 GGGAAAGACGACGTACATTGCCCTCAGCGTGCAGAGCCAG

AC**CGGGCCGC**TCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA
 TTACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204018 representing NM_008343
Red=Cloning site Green=Tags(s)

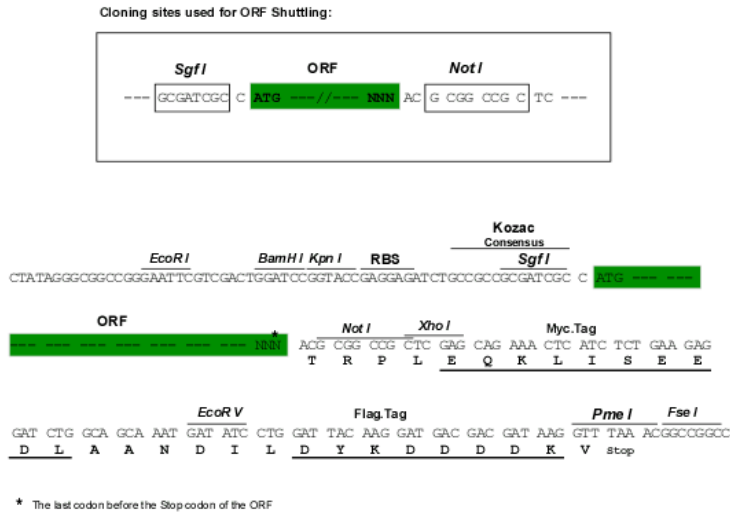
MHPARPALWAAAL TAL TLLRXXPPVARAGAVGAGPVVRCPCDARAL SQCAPPTAPACTELVREPGC
 GCCLTCALREGDACGVYTERCGTGLRCQPRPAEQYPLRALLNGRFGCANASAAGSLSTYLPSQPAPGNIS
 ESEEEHNAGSVESQVVPSTHRVTD SKFHPLHAKMDVIKKGHARDSQRYKVDYESQSTDTQNF SSES KRET
 EYGPCRREMEDTLNHLKFLNVLSPRGVHIPNCDKKGFYKKKQCRPSKGRKRGFCWCVDKYGQPLPGYDTK
 GKDDVHCLSVQSQ

TRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9005_d11.zip

Restriction Sites: SgfI-NotI

Cloning Scheme:



ACCN: NM_008343

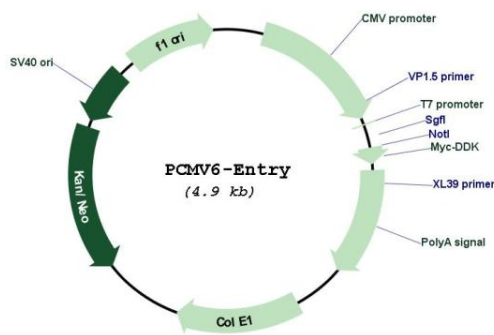
ORF Size: 879 bp

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](#)

OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<u>NM_008343.2</u> , <u>NP_032369.2</u>
RefSeq Size:	2456 bp
RefSeq ORF:	879 bp
Locus ID:	16009
UniProt ID:	<u>P47878</u>
Cytogenetics:	11 4.75 cM
MW:	32.1 kDa
Gene Summary:	IGF-binding proteins prolong the half-life of the IGFs and have been shown to either inhibit or stimulate the growth promoting effects of the IGFs on cell culture. They alter the interaction of IGFs with their cell surface receptors. Also exhibits IGF-independent antiproliferative and apoptotic effects mediated by its receptor TMEM219/IGFBP-3R.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR204018