

Product datasheet for **MR202918**

Igfbp6 (NM_008344) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Igfbp6 (NM_008344) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Igfbp6
Synonyms:	IGFBP-6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202918 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGACCTGGGATGGGCTGCCCCACGCAGCCGCTGCTCATGCTGCTAATGCTGTTGTTGCTGCGGGCTCAG
GGTCCGCCTTAGCGGGTGCCCCGGCTGCGGCGCTGGGATGCAGACTGGTTGTCGCGGGGCTGCGTGGA
GGAGGAAGACGCGGGATCGCCTGCAGACGGCTGTACAGAAGCCGGAGGCTGTCTCAGGAGAGAGGGACAA
CCGTGCGGGTCTACAGCCCTAAGTGCGCCCCAGGACTGCAGTGCCAACCCGAGAGAACGAAGAGGCGC
CTTTGCGGGCGCTGCTAATCGGCCAGGGCCGCTGTCAACGCGCCAGAGGGCCGTCGGAGGAGACTACAAA
GGAGAGCAAACCCAAGGAGGTGCCTCCCGCTCTCGTGACACAAACCACAGAGACCGGCAGAAGAATCCA
CGGACCTCTGCTGCCCTATACGGCCCAATCCTGTTCAAGATAGTGAGATGGGCCCTGCCGCAGACACT
TGGATTCACTACTGCAGCAGCTCCAGACTGAGGTCTTCCGAGGCGGAGCACGTGGGCTCTATGTGCCAAA
CTGTGACCTCAGAGGCTTCTACCGAAAGCAGCAGTGTCGTTCTCGCAGGGGAATCGCCGTGGCCCTGC
TGGTGTGTGGATCCGATGGGCCAGCCTTTGCCAGTGTCTCCAGATGGTCAAGGAAGCACTCAGTGCTCTG
CCAGGAGCAGTGGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR202918 protein sequence
 Red=Cloning site Green=Tags(s)

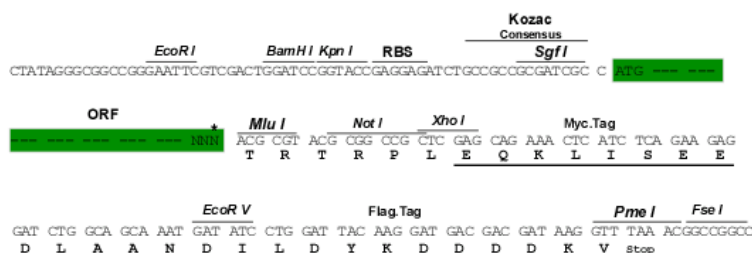
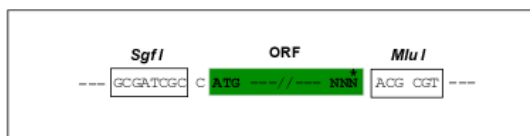
MTWDGLPTQPLLMLLMLLFAAGSGSALAGCPGCGAGMQTGCRRGGCVVEEDAGSPADGCTEAGGCLRREGQ
 PCGVYSKPCAPGLQCQPRENEEAPLRALLIGQGRGCRARGPSEETTKESKPQGGASRSRDTNHRDRQKNP
 RTSAAPIRPNPVQDSEMGPCRRLHDSVLQQLQTEVFRGGARGLYVPNCDLRGFYRKQQCRSSQGNRRGPC
 WCYDPMGQPLPVSPDGGSGTOCSARSSG

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM 008344

ORF Size: 714 bp

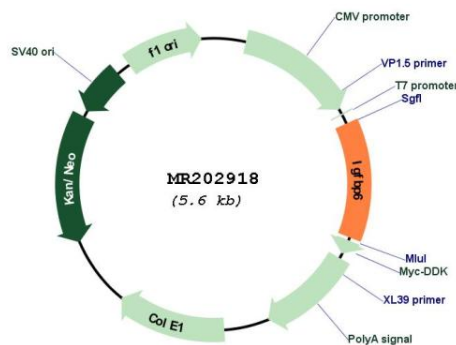
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_008344.3</u>
RefSeq Size:	1305 bp
RefSeq ORF:	717 bp
Locus ID:	16012
UniProt ID:	<u>P47880</u>
Cytogenetics:	15 F2
MW:	25.3 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.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR202918