

Product datasheet for **MG202918**

Igfbp6 (NM_008344) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Igfbp6 (NM_008344) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Igfbp6
Synonyms: IGFBP-6
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG202918 representing NM_008344
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCTGGGATGGGCTGCCACGCAGCCGCTGCTCATGCTGCTAATGCTGTTGTTGCTGCGGGCTCAG
GGTCCGCCTTAGCGGGGTGCCCGGCTGCGGCGCTGGGATGCAGACTGGTTGTCGCGGGGCTGCGTGGA
GGAGGAAGACGCGGGATCGCTGCAGACGGCTGTACAGAAGCCGGAGGCTGTCTCAGGAGAGAGGGACAA
CCGTGCGGGTCTACAGCCCTAAGTGCGCCCCAGGACTGCAGTGCCAACCCGAGAGAACGAAGAGGCGC
CTTTGCGGGCGTGCTAATCGGCCAGGGCCGCTGTCAACGCGCCAGAGGGCCGTCGGAGGAGACTACAAA
GGAGAGCAAACCCAAGGAGGTGCCTCCCGCTCTCGTGACACAAACCACAGAGACCGGCAGAAGAATCCA
CGGACCTCTGCTGCCCTATACGGCCAACTCCTGTTCAAGATAGTGAGATGGGCCCTGCCGAGACT
TGGATTCACTGCAGCAGCTCCAGACTGAGGTCTTCCGAGGCGGAGCACGTGGGCTCTATGTGCCAAA
CTGTGACCTCAGAGGCTTCTACCGAAAGCAGCAGTGTGTTTCTCGCAGGGGAATCGCCGTGGCCCTGC
TGGTGTGTGGATCCGATGGGCCAGCCTTGGCCAGTGTCTCCAGATGGTCAAGGAAGCACTCAGTGTCTG
CCAGGAGCAGTGGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG202918 representing NM_008344
Red=Cloning site Green=Tags(s)

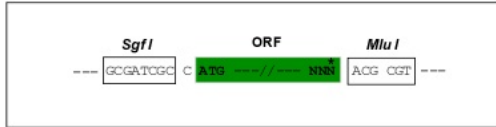
MTWDGLPTQPLLMLLMLLFAAGSGSALAGCPGCGAGMQTGCRGGCVVEEDAGSPADGCTEAGGCLRREGQ
 PCGVYSPKCAPGLQCQPRENEEAPLRALLIGQRCQRARGPSEETTKESKPQGGASRSRDTNHRDRQKNP
 RTSAAPIRPNPVQDSEMGPCRRHLDSVLQQLQTEVFRGGARGLYVPNCDLRGFYRKQQCRSSQGNRRRGPC
 WCVDPMGQPLPVSPDGGQSTQCSARSSG

TRTRPLE - GFP Tag - V

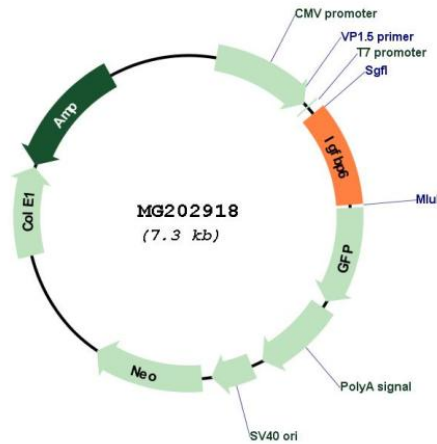
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



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:	<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_008344.3
RefSeq Size:	1138 bp
RefSeq ORF:	717 bp
Locus ID:	16012
UniProt ID:	P47880
Cytogenetics:	15 F2
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]