

Product datasheet for **MG203644**

Igfbp1 (NM_008341) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Igfbp1 (NM_008341) Mouse Tagged ORF Clone
 Tag: TurboGFP
 Symbol: Igfbp1
 Synonyms: IGFBP-1
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-AC-GFP (PS100010)
 E. coli Selection: Ampicillin (100 ug/mL)
 ORF Nucleotide Sequence: >MG203644 representing NM_008341
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCCGAGTTCCTAACTGTTGTTTCTTGGCCGTTCTGATTCTCCTGTCCTTCCAGATTGGCGTGGCCG
 CTGGAGCCCCCAGCCATGGCACTGTGCTCCCTGCACTGCTGAGAGGCTGGGGCTCTGTCCACCCGTGCC
 CGCTTCGTGCCCCGAGATTTCTCGGCCTGCAGGCTGTGGCTGCTGCCGACATGTGCCTGCCGATGGGT
 GCTGCCTGCGGTGTGGCCACTGCTCGCTGCGCCAGGGACTCAGCTGCCGTGCGTTGCCAGGAGAGCCTC
 GTCCCTGCATGCCCTCACCCGTGGTCAAGGAGCCTGTGTACCAGAACCTGCTGCACCCGCCACGAGCAC
 TTGTCCAGCTCCCAGCATGAAGAGGCAAAGGCTGCTGTGGTCTCCGCGGATGAGCTTTCTGAGAGCCCA
 GAGATGACAGAGGAGCAGCTGCTGGACAGCTTCCACCTGATGGCCCCATCCCGCGAGGATCAGCCCATCC
 TGTGGAACGCCATCAGCACCTATAGCAGCATGCGGGCCCGGAGATCGCCGACCTCAAGAAATGGAAGGA
 GCCCTGCCAACGAGAAGCTCTATAAAGTGCTAGAGAGATTAGCTGCAGCCCAACAGAAAGCAGGAGATGAA
 ATCTACAAATTTTATCTGCCAACTGCAACAAGAATGGATTTTATCACAGCAAACAGTGTGAGACATCCC
 TGGATGGAGAAGCTGGACTCTGCTGGTGTGCTACCCATGGAGTGGAAAGAAAATCCCTGGGTCTCTGGA
 GACTAGAGGGGACCCCACTGCCACCAGTATTTTAATGTACATAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203644 representing NM_008341
Red=Cloning site Green=Tags(s)

MPEFLTIVVSWPFLILLSFQIGVAAGAPQPWHCAPCTAERLGLCPPVPASCPEISRPAGCGCCPTCALPMG
AACGVATARCAQGLSCRALPGEPRPLHALTRGQGACVPEPAAPATSTLSSSQHEEAKAAVVSADLSESP
EMTEEQLLDSFHLMAPSREDQPILWNAISTYSSMRAREIADLKKWKEPCQRELKYLRLAAAQQKAGDE
IYKFYLPNCNKNGFYHSKQCETSLDGEAGLCWCVYPWSGKKIPGSLETRGDPNCHQYFNVHN

TRTRPLE - GFP Tag - V

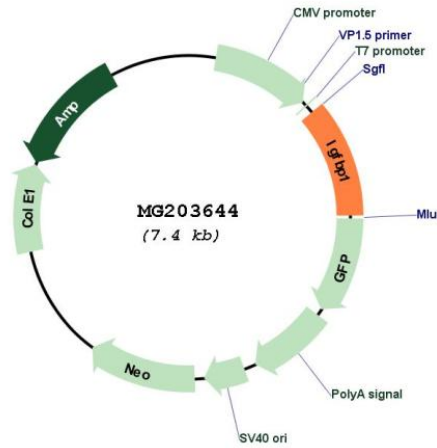
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_008341

ORF Size: 816 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_008341.3
RefSeq Size:	1569 bp
RefSeq ORF:	819 bp
Locus ID:	16006
UniProt ID:	P47876
Cytogenetics:	11 4.75 cM
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. Promotes cell migration (By similarity).[UniProtKB/Swiss-Prot Function]