

Product datasheet for **MG203605**

Igfbp5 (NM_010518) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Igfbp5 (NM_010518) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Igfbp5
Synonyms:	AI256729; AW208790; IGFBP-5; IGFBP-5P
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203605 representing NM_010518 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGATCAGCGTGGTCTCCTGCTGCTGGCCGCTATGCCGTACCGGCTCAAGGCCTGGGTTCTTTG
TGCACTGTGAACCCTGCGACGAGAAAGCTCTGTCCATGTGTCCCCCAGCCCTCTGGGCTGTGAGCTGGT
CAAAGAGCCCGGCTGTGGCTGCTGCATGACTTGCGCCCTGGCGGAGGGACAGTCGTGTGGCGTCTACAG
GAGCGCTGCGCCAGGGTTTGCCTCAACGAAAAGAGCTACGGCGAGCAAACCAAGATAGAGAGAGACTCTCGGA
ACGCGCCGGGGTTTGCCTCAACGAAAAGAGCTACGGCGAGCAAACCAAGATAGAGAGAGACTCTCGGA
ACACGAGGAACCCACCACCTCCGAGATGGCTGAAGAGACCTACTCCCCAAGGCTTCCGGCCCAAGCAC
ACTCGCATTTCCGAGCTGAAGGCTGAGGCTGTGAAGAAGGACCGCAGAAAGAAGTGACCCAGTCCAAGT
TTGTGGGGGGTGCAGAGAACTGCCACCCAGAGTCATCCCTGCACCTGAGATGAGACAGGAATCCGA
ACAAGGCCCTGCCGAGACACATGGAAGCTTCCCTCCAGGAGTTCAAAGCCAGCCACGCATGGTGCC
CGTGTGTGTACCTGCCCACTGTGACCGCAAAGGATTCTACAAGAGAAAGCAGTGAAGCCCTCCCGT
GCCGAAACGTGGCATCTGCTGGTGTGTGGACAAGTACGGAATGAAGCTGCCGGCATGGAGTACGTGGA
TGGGACTTTCAGTGCCACGCCTTCGACAGCAGTAACGTTGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203605 representing NM_010518
 Red=Cloning site Green=Tags(s)

MVISVLLLLLAAYAVPAQGLGSFVHCEPCDEKALSMCPPSPLGCELVKEPGCGCCMTCALAEQSCGVYT
 ERCAQGLRCLPRQDEEKPLHALLHGRGVCLNEKSYGEQTKIERDSREHEEPTTSEMAEETYSKVFVRPKH
 TRISELKAEAVKKDRRKKLTQSKFVGGAGENTAHPRVIPAPEMRQSEQGPCRRHMEASLQEFKASPRMVP
 RAVYLPNCDRKGFKYKRKQCKPSRGRKRGICWCVDKYGMKLPGMEYVDGDFQCHAFDSSNVE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_010518

ORF Size: 813 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.

RefSeq: [NM_010518.2](#), [NP_034648.2](#)

RefSeq Size: 5854 bp

RefSeq ORF: 816 bp

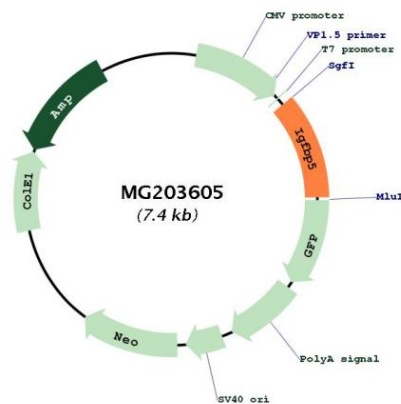
Locus ID: 16011

UniProt ID: [Q07079](#)

Cytogenetics: 1 36.94 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.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG203605