

## Product datasheet for MR22256

### Igfbp7 (NM\_001159518) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Igfbp7 (NM\_001159518) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Igfbp7  
**Synonyms:** AGM; Fstl2; Mac25  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR22256 representing NM\_001159518  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATGGAGCGGCCGCCGCGCCCTGCTGCTGGGTGCAGCCGGACTGCTGCTCCTGCTCCTGCCCTCT  
 CCTTTCCTCCTTTCGGATGCTGCGGCCGTGCGTGCCGGCTCCTGCCCGCGCTGCCCGGCTCGG  
 CTGCCCGTGGGTGAGACCCGCGACGCGTGCGGGTGTGCTGCGGGCGAGGGTGAAGCCG  
 TGCGGGGGCGGCCGCCGCGCAGGGGGCACTGCGCGCCGGCATGGAGTGCCTGAAGAGCCGAAGAGGC  
 GGAAGGGTAAAGCCGGGGCAGCAGCCGGGGTCCCGCGACCCTCGCCGTGTGCGTGTGAAGAGCCGCTA  
 CCCGGTGTGCGGAGCAACGGCATCACCTACCCAGCGGCTGCCAGCTGCGCGCTGCCAGCTGCGCGCC  
 GAGAGCCGCGGGGAGAAGGCCATCACCCAGGTCAGCAAGGGCACCTGCGAGCAAGGGTCTCTGATATGGG  
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 AGAACAAGGTCTTCCATAGTGACGCCCCCAAGGACATCTGGAACGTCCTGGTCCAAGGTGTTCTTG  
 AGCTGTGAGGTGATCGGGATCCCAACCCCTGTCTCATCTGGAACAAGGTAAGGAGGATCACTCTGGAG  
 TTCAGCGGACAGAAGTCTTGCTGGTGACCGGGAAAATCTGGCCATTGAGACCCGGGGTGGTCCAGAAAA  
 GCATGAAGTAACGGGCTGGGTGCTGGTATCTCTCTAAGTAAGGAGGACGCTGGAGAGTATGAGTGCCAC  
 GCATCCAAGTCCCAAGGGCAGGCTTCCGCGGACGCCAAAATTACAGTGGTTGATGCCCTCCATGAAATAC  
 CACTGAAAAAAGGTGAAGGTGCTCAGTTA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTAA



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**Protein Sequence:** >MR222256 representing NM\_001159518  
Red=Cloning site Green=Tags(s)

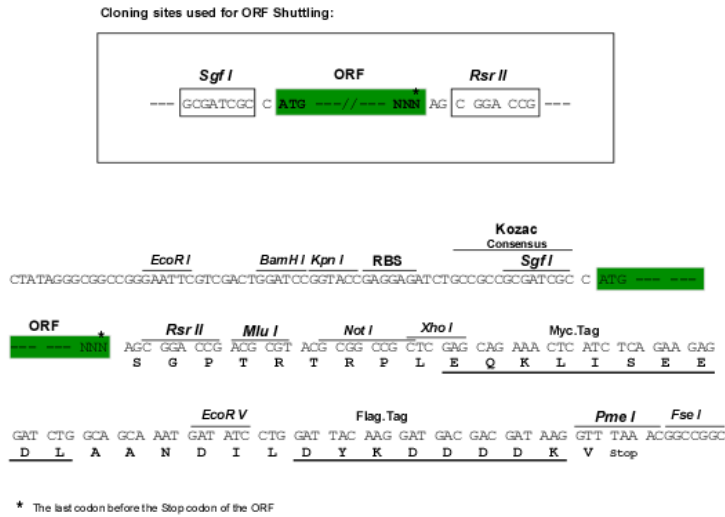
MMERPPRALLLGAAGLLLLLPLSSSSSDACGPCVPASCPALPRLGCPGETRDACGCCPVCARGEGER  
 CCGGAAGRGHCAPGMECVKSRKRRKKGAGAAAGPATLAVCVCKSRYPVCGSNGITYPSCQLRAASLRA  
 ESRGEKAITQVSKGTCEQGLIWDTQPAQRSHNPQVENRCFRDKHSREQGPSIVTPPKDIWNVTKAKVFL  
 SCEVIGIPTVLIWNKVKRDHSGVQRTELLPGDRENLAIQTRGGPEKHEVTGWLVVSPLSKEDAGEYECH  
 ASNSQQQASAAAKITVVDALHEIPLKKGEGAQL

SGPTRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1685\\_a07.zip](https://cdn.origene.com/chromatograms/ja1685_a07.zip)

**Restriction Sites:** SgfI-RsrII

**Cloning Scheme:**



**ACCN:** NM\_001159518

**ORF Size:** 939 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\\_001159518.1](#), [NP\\_001152990.1](#)

**RefSeq Size:** 1213 bp

**RefSeq ORF:** 942 bp

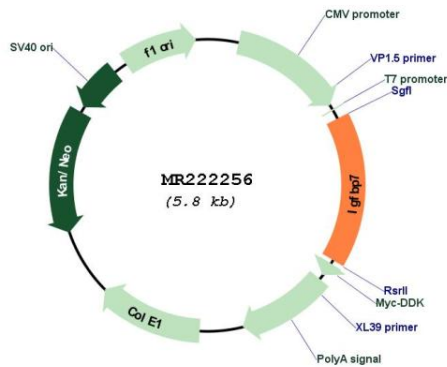
**Locus ID:** 29817

**Cytogenetics:** 5 C3.3

**MW:** 33.3 kDa

**Gene Summary:** Binds IGF-I and IGF-II with a relatively low affinity Stimulates prostacyclin (PGI2) production. Stimulates cell adhesion (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR222256