

## Product datasheet for **RR208369**

### Igfbp5 (NM\_012817) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Igfbp5 (NM\_012817) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Igfbp5  
**Synonyms:** IGF-BP5  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR208369 representing NM\_012817  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGTGATCAGCGTGGTCTCTGCTGCTGGCCGCTGTGCCGTGCCGGCTCAAGGCCTGGGCTCTTTCCG  
TGCATTGTGAACCCTGCGACGAGAAAGCTCTGTCCATGTGTCCCCCAGCCCTCTGGGCTGTGAGCTGGT  
CAAAGAGCCCGGCTGTGGCTGCTGCATGACTTGCGCCCTGGCGGAGGGACAGTCGTGTGGGTCTACACT  
GAGCGCTGCGCCAGGGTTTGCCTCAACGAAAAGACTACGGCGAGCAAACCAAGATAGAGAGAGACTCTCGGGA  
ACGGCCGCGGGTTTGCCTCAACGAAAAGACTACGGCGAGCAAACCAAGATAGAGAGAGACTCTCGGGA  
GCATGAGGAACCCACCACCTCCGAGATGGCTGAGGAGACCTACTCCCGAAGGTCTTCCGGCCCAAGCAC  
ACTCGATTTCCGAGCTGAAGGCCGAGGCTGTGAAGAAGGATCGCAGAAAGAAGCTGACCCAGTCTAAGT  
TTGTGGGGGGCGCGGAGAACACTGCCACCCCGAGTCAATCCCTGACCTGAGATGAGACAGGAATCTGA  
CCAAGGCCCTGCCGAGACACATGGAAGCTTCCCTCCAGGAGTTCAAAGCCAGCCACGCATGGTGCC  
CGTGCCGTGTACCTGCCAACTGTGACCGCAAAGATTCTACAAGAGAAAGCAGTGCAAGCCTTCTCGTG  
GCCGCAAACGTGGCATCTGCTGGTGTGTGGACAAGTATGGGATGAAGCTGCCGGGATGGAGTACGTCGA  
TGGGGACTTTCAGTGCCACGCCTTCGACAGCAGTAACGTTGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR208369 representing NM\_012817  
Red=Cloning site Green=Tags(s)

MVISVLLLLAACAVPAQGLGSFVHCEPCDEKALSMCPPSPLGCELVKEPGCGCMTCALAEGQSCGVYT  
 ERCAQGLRCLPRQDEEKPLHALLHGRGVCLNEKSYGEQTKIERDSREHEEPTTSEMAEETYSKPVFRPKH  
 TRISELKAEAVKKDRRKLTKSKFVGGAGENTAHPRVIPAPEMRQESDQGPCRRHMEASLQEFKASPRMVP  
 RAVYLPNCDRKGFKYKRKQCKPSRGRKRGICWCVDKYGKLPGMEYVDGDFQCHAFDSSNVE

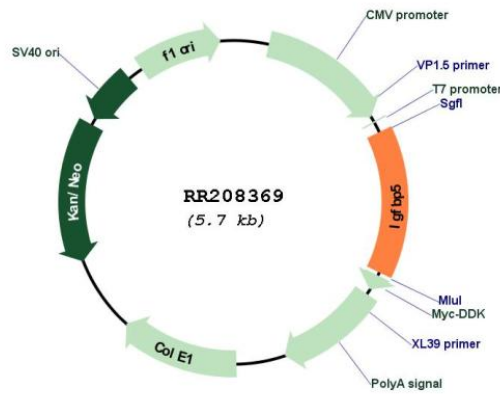
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_012817

**ORF Size:** 813 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_012817.1</a> , <a href="#">NP_036949.1</a>
<b>RefSeq Size:</b>	1630 bp
<b>RefSeq ORF:</b>	816 bp
<b>Locus ID:</b>	25285
<b>UniProt ID:</b>	<a href="#">P24594</a>
<b>Cytogenetics:</b>	9q33
<b>MW:</b>	30.3 kDa
<b>Gene Summary:</b>	may be involved in ovarian folliculogenesis and may play a modulatory role in type I fiber-dominated muscles [RGD, Feb 2006]