

## Product datasheet for RR213217

### Bmp15 (NM\_021670) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Bmp15 (NM_021670) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Bmp15
Synonyms:	Gdf-9b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR213217 representing NM_021670 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCCCTTCTCACAATTCTTAGAATTCTTTGTGGGAATGGTGCTTTTATGGAACACAAGTCCAAA  
TGGCAAAGGTAGAGTGGCCCTCCACTACCTCCTTGCTGAAAACCCTACATTGCCCTCGAGTTTGGATCT  
GGCCAAAGAAGCCCTGGCAAGGAGATGAAGCAGTGGCCCAAGGATATCCCCTGAGGTACATGCTGAAG  
TTATACCAGCGTTCGGCTGACCCACATGGGCACCCGAGGGAGAACCGCACGATTGGAGCTAAAATGGTGA  
GGCTGATAAAGCCGTGAGCCAGTGAATGAGGCTTCTCAGAGGTCCCTGGCATATACAGACCCTGGACTT  
TCCTCTAGCATCAAACGAGGTAGCATACCAACTAATCAGAGCCACTGTGGTCTACCGCCATCAACTTCAT  
CTAGTTCATTACCATCTCTCCTGCCATGTGGAACCTTGGGTCCCTAAATGTGCAACCAAGCACTTCCAT  
CTAAATCGGGTTCTGCAAAGCCTTCTTCTGTGTCTAAAGCCTGGAGAGAGATGAATATTACCACTGTAT  
TCAGCAGAAGCTCTGGAATCGCAAGGGACGGAGAGTCCCTCGCCTCCGCTTCATGTGTGAGCAGCAAAAA  
GGCAATGAGACTCTTGAGCTCCGGTGGCATGGCATGACCTCCTTGATGTTGCCTTCTTGCTACTTATT  
TCGATGACACTGATGAGAGTGTGCTCAGGCTAAACTTCTTGCAAGAGGTCAAGAGGAGTTAACTGATAGGGA  
ATCTCCTTTTCTTATGCGGAGTGTCCGGCAAACATGCAGCATAGCATCTGATGTCCCTTGTCCCTTCTCAG  
GAACAGGATAGGTCTGTAATAACCAAGTGTCCCTCCATCCTTACAAGGTGAGTCCATCAATTGGGCT  
GGGATCACTGGATCATTGCTCCCGTCTCTATACCCCAAATTAAGTAAAGGAATCTGTAAGGAGTATT  
ACCCTATGGTCTAAATCACCCAACCATGCCATCATAACAGAGCCTTGCAATGAACTAGTGAATCGCAGT  
GTGCCCTCAGCTTCTGTGTCCCTTATAAGTTTCTTCTATGAGTATCCTTCTGATTGAGGCAAATGGGA  
GTATCTTGTACAAGGAGTATGAGGGTATGATTGCTCAGTCTGCACATGTAGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR213217 representing NM\_021670  
 Red=Cloning site Green=Tags(s)

MALLTILRILLWGMVLFMEHKVQMAKVEWPSTLLAENPTLPSSLDLAKEAPGKEMKQWPQGYPLRYMLK  
 LYQRSADPHGHPRENRTIGAKMVRLIKPSASAMRLLRGPWHIQTLDFPLASNEVAYQLIRATVVYRHQLH  
 LVHYHLSCHVEPWVPKCRTRKHFPSKSGSAKPSSVSKAWREMNIHICIQQKLWNRKGRVLRRLRFMCQQQK  
 GNETLELRWHGMTSLDVAFLLLYFDDTDESAQAKLLARGQEELTDRESPFLMRSVRQTCASIADVPCPSQ  
 EQDRSVNNQCSLHPYKVSFHLGWDHWIIPRLYTPNYCKGICTGVLPYGLNSPNHAI IQSLVNELVNRS  
 VPQLSCVPYKFLPMSILLIEANGSILYKEYEGMIAQSCTCR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

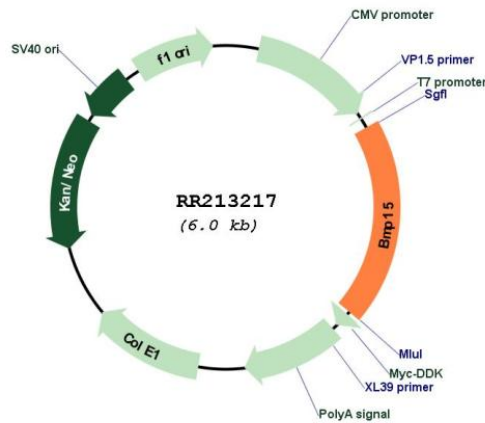
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_021670

<b>ORF Size:</b>	1173 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_021670.1</a> , <a href="#">NP_067702.1</a>
<b>RefSeq Size:</b>	1441 bp
<b>RefSeq ORF:</b>	1176 bp
<b>Locus ID:</b>	59302
<b>Cytogenetics:</b>	Xq12
<b>MW:</b>	45 kDa
<b>Gene Summary:</b>	may regulate granulosa cell growth and ovarian follicle formation [RGD, Feb 2006]