

## Product datasheet for **RR209173**

### Bgn (NM\_017087) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Bgn (NM_017087) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Bgn
Synonyms:	BSPG1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR209173 representing NM_017087 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGCGTCCCTGTGGCTACTCACCTTGCTGCTGGCTCTGAGCCAGGCCTTGCCCTTTGAGCAGAAGGGCT  
TCTGGGACTTACCTTGGATGATGGGCTGCTCATGATGAATGATGAGGAGGCTTCAGGCTCAGACACCAC  
TTCAGGTGTCCTTGACCTGGACTCTCTCACACCTACCTTCAGTGCCATGTGTCTTTGGCTGCCACTGC  
CACCTGCGGGTTGTTTCAGTGCTCTGACTTGGGTCTGAAGACTGTGCCAAGGAGATCTCACCTGATACCA  
CACTGCTAGACCTGCAGAACAAATGACATCTCTGAACCTCCGCAAGGATGACTTCAAAGGCCTCCAGCACCT  
CTATGCTCTGGTCTGGTAAACAATAAGATCTCCAAGATCCATGAGAAGGCCTTTAGCCCTCTGCGGAAG  
CTGCAGAAACTCTACATCTCCAAGAACCACCTGGTGGAGATTCCTCCCAACCTGCCCAGCTCCCTGGTAG  
AGCTACGAATCCATGACAACCGTATCCGCAAAGTGCCCAAGGGCGTGTTTCAGTGGGCTCCGGAACATGAA  
CTGCATTGAGATGGGTGGGAATCCCTGGAGAACAGTGGCTTTGAACCCGGAGCCTTTGATGGCCTGAAG  
CTCAACTACCTGCGCATCTCAGAGGCCAAGCTCACTGGCATCCCCAAAGATCTCCCTGAGACCCTGAATG  
AACTTCACTTGGACCACAACAAAATCCAGGCTATCGAGTTGGAGGATCTACTTCTGCTACTCCAAGCTGTA  
CAGGCTGGGCTTAGGACACAATCAGATCCGAATGATTGAGAATGGGAGCCTGAGTTTTCTGCCTACCCTG  
AGGGAACCTCACTTGGACAACAACAAGCTGTCCGGGTGCTGCTGGCCTCCCAGATCTCAAACCTCTCC  
AGGTTGTCTATCTGCACTCCAACAACATCACCAAGGTGGGCATCAACGATTTCTGCCCATGGGCTTTGG  
AGTCAAGAGGGCCTACTATAATGGCATCAGCCTTTCAACAACCTGTGCCCTACTGGGAAGTGCAGCCT  
GCCACCTCCGCTGCGTCACTGACCGCTGGCCATCCAATTTGAAATTATAAGAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR209173 representing NM\_017087  
 Red=Cloning site Green=Tags(s)

MRPLWLLTLLALSQALPFEQKGFWDFTLDDGLLMMNDEEASGSDTTSGVPDLDSLTPFSSAMCPFGCHC  
 HLRVVQSDGLGLKTVPKIISPDTLLDLQNDISELRKDDFKGLQHLVALVNNKISKIHEKAFSPLRK  
 LQKLYISKNHLEIPPNLPSSELVLRIDHNRIRKVPKGVFSGLRNMNCIEMGGNPLENSGFEPGAFDGLK  
 LNYLRISEAKLTGIPKDLPETLNLHLHDHNKIQAIELEDLLRYSKLYRLGLGHNQIRMIENGSLSFLPTL  
 RELHLDNNKLSRVPAGLPDLKLLQVVYLHSNNITKVGINDFCPMGFVVKRAYNGISLFNNPVPYWEVQP  
 ATFRVCVTDRLAIQFGNYKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

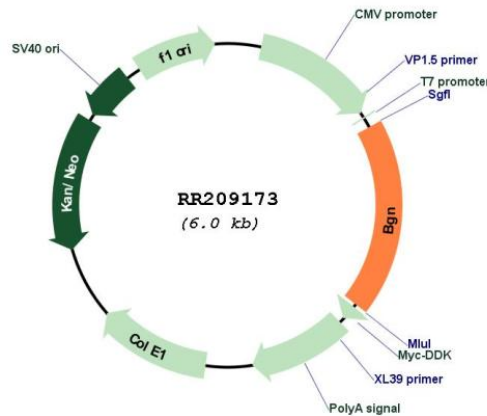
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_017087

<b>ORF Size:</b>	1107 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_017087.1</a> , <a href="#">NP_058783.1</a>
<b>RefSeq Size:</b>	2446 bp
<b>RefSeq ORF:</b>	1110 bp
<b>Locus ID:</b>	25181
<b>UniProt ID:</b>	<a href="#">P47853</a>
<b>Cytogenetics:</b>	Xq37
<b>MW:</b>	41.7 kDa
<b>Gene Summary:</b>	proteoglycan; may play a role in vascular remodeling [RGD, Feb 2006]