

## Product datasheet for **RR201089**

### **Btnl8 (NM\_212489) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Btnl8 (NM_212489) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Btnl8
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**ORF Nucleotide Sequence:**

>RR201089 representing NM\_212489  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGAATTTACTGCAAGCCCTCTGTGCTCTTCCAGGACTCTACCTCCTGGTCCTTACACAGCTGCTTT  
 GCTGGGTGACCACAAAGGGTTTCCGGGTCTTGGTCCCTCAGACCCGTTGTGGCCGACCAAGGTAGGGA  
 AGCCATACTTCCCTGCTCCGTGTCTCCAGCCATGAGTGTGGAGAACATGGAAGAGCTGAGGTGGTCCGC  
 ACCAGATTCTCACAAGCAGTATTTGTCTATCGGGACCAAGAGGAGCAGAAGGAAGAGCAGATGATTGAGT  
 ATTCTTGGCGGACCTCGCTGGTGAAGGATAAATCCATGAAGGCAAAGCTGCCGTGAGGATCCAGAATGT  
 CCAGGAGTCAGATAGTGGGATATACGTCTGCCACTTCAAACAGGGACACTTCCATGAGGAGGCCATCTTG  
 GAACTGAAGGTGGCAGCAATGGGCTCTGTCCCTGAAGTGTACATCAAAGGTCCAGAAGATGGTGGAGTGT  
 GTGTTGTGTGCATGACTTCAGGGTGGTACCCAGAGCCCCAGGTGCATTGGAGAGACTCCAGAGGTGAGAT  
 TCTCCCAGCATCCTCAGAGACCCTCCATGAAGATGCTGAAGGACTGATCACCACAGAGACCTCACTGGTG  
 CTGAGAGACAGCTCTGTGAGGAATGTGACTGCTCCACCTTCAATCCCGTCTTGGGTGAGGAGAAAGCCA  
 TGGCCATGGTCATCCCAGAGCCCTTCTCCCTCAGGCCTCTCCCTGGAAGACAGCTTTTCTCGTGATCCT  
 GACCATGATGGGACTTCTAGTCTTGGGACAATCTCTTTTTCGGATGGGAACGTTTTGTAAAGGTGAAG  
 TTGAGAAGGAACAGATCCATATTCATTGTGAGAAGGATGAGTTACAGACTGAAAAGGAGGATGCTCTCA  
 GGACTGCTAAGTGGGGCTATTGTGAATGGGTTCTCACCAGAGTGTGTTTACAGCTGGAGGAAGGC  
 CCAGCTGTATGCAGATTGGCGCAAGGAGCACTCCAGACTGGACTTTCACTCTGGATCCAGCCTCTGCC  
 CACCCACCCCTTGTCACTCTCCAGGATAGGATGAGAGTGACCCGGAAGGACACCCTGTGTGCTTGGATG  
 ACCTTTCAGTGTCTAGGCACCAAAGGCATCTTCTGGAAGATATTACTGGGAGTCAAGCTGGAATA  
 CAGAGAAGGCAGCAAAATGGATTCTGGGGTCTGTAGGGAAGGTGTGGAGAGGAAAGGCTTTTATTTGAG  
 AGTCCAGAGAAGGGTTTTGGACAGTGGGGCAGTCTAGTGTGGGATTGGGCCTATGTTGACTCTGGGA  
 GGGATTCTTATCCATCAGGCAAGCTCCAGAGAGTGTGGGGTGTGTTGGACTATGACAAAAGGAACAT  
 CTCCTTCTATAACATGAGTGACATGTCCCACCTTTTCTCCTTCCAGAGGCTTCTTCTCTGGGACTCTC  
 CTTCCATACTTCCAGCTTAAGTGTGAAATGTCTCGATGACTGTCAACTCCATGGCCTGTGTGTCTGAGG  
 GGCAGGAGGGAGAGGGGAGGAAAGGAAGAGAAGTAGAAAGGGAGGAAGAGGAGGAAGGGGAG  
 GAGGCCAAGAAGGGGAAGGGTTAGCTTTGCTTCTTTGAAGGAGTCTCTGAGTCCCACAGGGGAGGGC  
 CTGTTCCAGGCTTTGTGTTGGTCTCTCCCTCAGGGGAAGAATCTCCATTCTCCAGGATGCCAGGG  
 AACTCTGTTCCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR201089 representing NM\_212489  
 Red=Cloning site Green=Tags(s)

MGIYCKPSVLFQDSYLLVLTQLLCWVTTKGRVFGPSDPVVAAPGREAILPCSVSPAMSVENMEELRWFR  
 TRFSQAVFYRDQEEQKEEQMIEYSWRSLVKDKFHGKAAVRIQNVQESDSGIYVCHFQGHFHHEAIL  
 ELKVAAMGVSVEVYIKGPEDGGVVCMTSGWYPEPQVHWRDSRGEILPASSETLHEDAEGLIITETSLV  
 LRDSSVRNVTCSTFNPVLGQEKAMAMVPEPFFPQASPWKTAFLVILTMMGLLVLTISLFGWERFVRLK  
 LQKEQIHIHCEKDELQTEKEDALRTAKWGYCEWVLTTRVCSFTAWRKAQLYADWRKEHFQTWFTLDPASA  
 HPTLVISQDRMRVTRKDTTVCLDDLFSVLGKGISSGRYYWEVKLENREGSKWILGVCREGVERKGFYFE  
 SPEKGFWTVGQSSSYWAYVDSDRSLIRQAPESVGVFVDYDKRNI SFYNMSDMSHLFSFHEASFSGTL  
 LPYFQLKCGNVSMVNSMACVSEQEGEGRKGRKRSRKRGRKRRKGRPRPKKGLALLPLKESLSPTGEG  
 LVPGSCVVVSPSGEESPFLQDARDLTFP

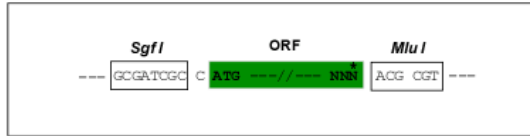
**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

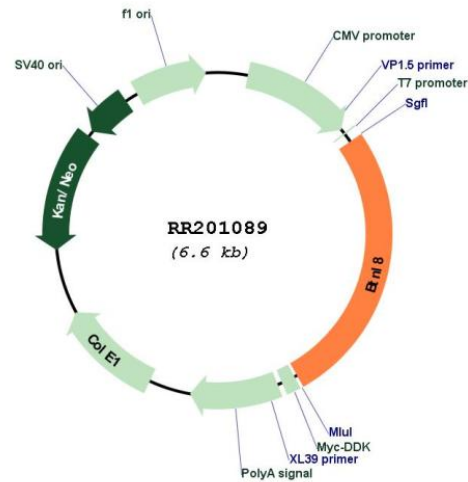
**Cloning Scheme:**

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

**Plasmid Map:**



ACCN:

NM\_212489

<b>ORF Size:</b>	1764 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_212489.1</a> , <a href="#">NP_997654.1</a>
<b>RefSeq Size:</b>	1933 bp
<b>RefSeq ORF:</b>	1767 bp
<b>Locus ID:</b>	406160
<b>Cytogenetics:</b>	20p12
<b>MW:</b>	66.7 kDa
<b>Gene Summary:</b>	member of a family of proteins related to the butyrophilin family by sequence similarity; may play a role in regulation of immune response [RGD, Feb 2006]