

## Product datasheet for **RR200298**

### **Begain (NM\_024163) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Begain (NM_024163) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Begain
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**ORF Nucleotide Sequence:**

>RR200298 representing NM\_024163  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTGGACGGGCGCGCGGCCGGCCGGCTTCGCCGGCGGCCTTGCCCGAGACATGGAGAACTCA  
 GTGCGCTGCAGGAACAGAAGGGCGAGCTGCGCAAGCGCCTGTCTACACCACGCACAAGTTGGAGAAGCT  
 GGAGACGGAGTTTACTCCACCCGCCACTATCTGGAGATTGAGCTGAGGGCGGCACAGGAGGAGCTGGAC  
 AAGGTCACCGAGAACTGCGCAGGATTCAGAGCAACTACATGGCACTCCAGAGGATCAACCAAGAGCTGG  
 AAGACAAGCTGTACCGGATGGGCCAGCACTATGAGGAAGAGAAGCGTGCCATGAGCCACGAGATTGTCGC  
 CCTCAACAGCCACCTGCTGGAGGCTAAGGTGACCATTGACAAGCTGTGAGAAGACAACGAGCTCTATAGG  
 AAGGACTGCAATCTAGCGGCCAGCTGCTGCAGTGCAGCCAGACCTACGGCAGGGTCCATAAGGTGTCCG  
 AGCTGCCCTCGGACTTCCAGCAGCGTGTGAGCCTGCATATGGAGAAGCATGGCTGCAGCCTGCCGTCCCC  
 ACTGTGCCATCCGTCTACGCCGACAGCGTGCCACCTGCGTCATCGCCAAGGTGCTGGAGAAGCCCGAC  
 CCTGGCAGCCTGTCTCGCGCATGTCCGATGCCTCGGCCCGGACCTGGCTACCGCGACGGAGTGGAGA  
 ACCCGGGCCCGGACCCCGTACAAGGGAGACATCTACTGCAGCGACACGGCTCTCTACTGCCCTGACGA  
 GCGAGATCACGACCGGGCGGCCAGCGTGGACACGCCGGTGACCGAGCTGGGCTTCTGCGTGCAGCAAT  
 TCCACCGACAGCCTGGCGGAAGAGGAGGAGGCCGAGGGCGCGCCTTCCCGGAGGCTACCGTCCGCGAGG  
 CTTCCAGGGCTACGCGGCCCTCGCTGCCACGTCACGCTCTACTCCAGCTTCCAGCGCCAGTCCGAGGA  
 GAAGGAGCACGCGCAGGCCAGCACGCTGACCGCCTCGCAGCAGGCCATCTACCTGAACAGCCGGAAGAG  
 CTCTTCCAGCCGAAGCCGCCCTCCGCCACCTACGGCAGCAGCCCTCGCTACGCCAAGGCCGCGGCCACCC  
 TGGGCTCCCCGCTCGAGGCCAGGTAGCCCCAGGCTTCGCTCGGACTGTGTCTCCGTACCCGGCCGAGCC  
 CTACCGCTATCCGGCCTCCAGCAGGCTCTCATGCCTCCCAACCTGTGGAGCCTGCGGGCCAAGCCGAGC  
 GGTAAACCGGCTTCCGCCCGGGAGGACATTGAGGCCAGTGGCGGCCCTGAGCGTGGAGGATGTGGGCG  
 CCTACTCTTACCAGGCCGGCGTGCAGGCCGCGCGCCTCGCCCTGCAACTTCTCAGAAGCTTTCTACGG  
 CGGCGGTGGCGCGGGCGGAGCCCGGCAAGAATGCCAGGGCCGTGCCAGCCCCCTCTATGCCAGCTAC  
 AAAGCCGATAGTTTCTCGGAGGGCGATGACCTCTCCAGGGTCTCTGGCCGAGCCCTGCTTCTCCGAG  
 CGGGTGGTATCTGAGCCTCAGCCCAGCCGTTGAGCTGATCCTTCCCTGGCTATGCCACCAGTACGG  
 GGATGGGATAGGCTCGGGTGCAGCTGTGTGGCCTGGCAGTAGCCCGGAGCCGAGCAGCGCTCCCGG  
 GATTCCCTGGAGCTAGCTCCATGGAGGCTCTCCGAAATGCACCTCCAACCCGCTCAGCCCCAGC  
 AGGCTTCCCAAGGACTGGAGGCTCTGGGCTGAGCCGCAAGGACAGTCTACTAAGGCCAGCTCTACGG  
 AACCTGCTCAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR200298 representing NM\_024163  
 Red=Cloning site Green=Tags(s)

MWTGRRPGRRLRRAASAADMEKLSALQEQKELRKRLSYTHKLEKLETEFDSTRHYLEIELRRAQEELD  
 KVTEKLRRIQSNYMLQRINQLEDKLYRMQHYEEEKRAMSHEIVALNSHLLLEAKVTIDKLSKDNLNLR  
 KDCNLAAQLLQCSQTYGRVHKVSELPDFQQRVSLHMEKHGCSLPSPLCHPSYADSVPTCVIAKVLEKPD  
 PGSLSRMSDASARDLAYRDGVENPGRPPYKGDYICSDTALYCPDERDHDRRPSVDTPVTDVGFRLRAQN  
 STDSLAEAAAAEAAAFPEAYRREAFQGYAASLPTSSSYSSFSATSEEKEHAQASTLTASQQAIIYLNREE  
 LFSRKPPSATYGSSPRYAKAAATLGSPLAQVAPGFARTVSPYPAEPYRYPASQQALMPPNLWSLRKPS  
 GNRLAAREDIRGQWRPLSVEDVGAYSQAGAAGRAASPCNFSERFYGGGGGGSPGKNAEGRASPLYASY  
 KADSFSEGDDL SQGHLAEPFLRAGGDL SLSPRSADPLPGYATSDGDGDLGVQLCGPSSPEPEHGSR  
 DSLEPSSMEASPEMHPPTRLSPQQAFPRTGGGSLSRKDSLTKAQLYGTLLN

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-Mlul



<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_024163.2</a> , <a href="#">NP_077077.1</a>
<b>RefSeq Size:</b>	2827 bp
<b>RefSeq ORF:</b>	1836 bp
<b>Locus ID:</b>	79146
<b>UniProt ID:</b>	<a href="#">O88881</a>
<b>Cytogenetics:</b>	6q32
<b>MW:</b>	67 kDa
<b>Gene Summary:</b>	binds the guanylate kinase domain of PSD-95/SAP90, may play a role in the post-synaptic membrane [RGD, Feb 2006]