

Product datasheet for **RN200299**

Begain (NM_001111115) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Begain (NM_001111115) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Begain
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN200299 representing NM_001111115
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGCAGCGATCAGTCTTCCCAGGCCTCTGCCGAGACATGGAGAACTCAGTGCCTGCAGGAACAGA
 AGGGCGAGCTGCGCAAGCGCCTGTCTACACCACGCACAAGTTGGAGAAGCTGGAGACGGAGTTTACTC
 CACCCGCCACTATCTGGAGATTGAGCTGAGGCGCGCACAGGAGGAGCTGGACAAGGTCACCGAGAACTG
 CGCAGGATTCAGAGCAACTACATGGCACTCCAGAGGATCAACCAAGAGCTGGAAGACAAGCTGTACCGGA
 TGGGCCAGCACTATGAGGAAGAGAAGCGTGCCATGAGCCACGAGATTGTCGCCCTCAACAGCCACCTGCT
 GGAGGCTAAGGTGACCATTGACAAGCTGTCAGAAGACAACGAGCTCTATAGGAAGGACTGCAATCTAGCG
 GCCAGCTGCTGCAGTGCAGCCAGACCTACGGCAGGGTCCATAAGGTGTCCGAGCTGCCCTCGGACTTCC
 AGCAGCGTGTGAGCCTGCATATGGAGAAGCATGGCTGCAGCTGCCGTCCCCTGTGCCATCCGTCCTA
 CGCCGACAGCGTCCCACCTGCGTCATCGCCAAGGTGCTGGAGAAGCCCGACCCTGGCAGCTGTCTCG
 CGCATGTCCGATGCCTCGGCCCGGACCTGGCCTACCGCGACGGAGTGGAGAACCCGGGCCCGGACCCC
 CGTACAAGGGAGACATCTACTGCAGCGACACGGCTCTCTACTGCCCTGACGAGCGAGATCACGACCGCG
 GCCAGCGTGGACACGCCGGTGACCGACGTGGGCTTCTGCGTGCAGAGAATCCACCGACAGCCTGGCG
 GAAGAGGAGGAGGCCGAGGCGCGGCCCTTCCCGAGGCCACCGTCCGAGGCGCTTCCAGGGCTACGCGG
 CCTCGTGCCACGTCCAGCTCTACTCCAGCTTCAGCGCCACGTCAGGAGGAGGAGCAGCGCAGGC
 CAGCAGCTGACCGCCTCGCAGCAGGCCATCTACCTGAACAGCCGGAAGAGCTTTCAGCCGAAAGCCG
 CCCTCCGCCACCTACGGCAGCAGCCCTCGCTACGCCAAGGCCGCGCCACCCTGGGCTCCCCTCGAGG
 CCCAGGTAGCCCCAGGCTTCGCTCGGACTGTGTCTCCGTACCCGCGCCAGCCCTACCGCTATCCGGCTC
 CCAGCAGGCTCTCATGCCTCCCAACCTGTGGAGCCTGCGGGCCAAGCCGAGCGGTAACCGGCTTGCAGCC
 CGGGAGGACATTCGAGGCCAGTGGCGGCCCTGAGCGTGGAGGATGTGGGCGCCTACTCTTACCAGGCCG
 GCGCTGCAGGCCGCGCCCTCGCCCTGCAACTTCTCAGAACGTTTCTACGGCGCGGTTGGCGGCGCGG
 CAGCCCGGGAAGAATGCCGAGGCGCGTCCAGCCCTCTATGCCAGCTACAAAGCCGATAGTTTCTCG
 GAGGGCGATGACCTCTCCAGGGTATCTGGCCGAGCCCTGCTTCTCCGAGCGGGTGGTATCTGAGCC
 TCAGCCCCAGCCGTTAGCTGATCTCTCCCTGGCTATGCCACCAGTACGCGGGATGGGGATAGGCTCGG
 GGTGCAGCTGTGTGGCCTGGCAGTAGCCCGAGCCGAGCACGGCTCCCGGGATTCCTTGAGCCTAGC
 TCCATGGAGGCCCTCCCGAAATGCACCCTCAACCCGCTCAGCCCCAGCAGGCTTCCCAAGGACTG
 GAGGCTCTGGGCTGAGCCGCAAGGACAGTCTACTAAGGCCAGCTCTACGGAACCTGCTCAAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001111115
- Insert Size:** 1818 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- Components:** 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).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

RefSeq: [NM_001111115.1](#), [NP_001104585.1](#)

RefSeq Size: 2807 bp

RefSeq ORF: 1818 bp

Locus ID: 79146

UniProt ID: [O88881](#)

Cytogenetics: 6q32

Gene Summary: binds the guanylate kinase domain of PSD-95/SAP90, may play a role in the post-synaptic membrane [RGD, Feb 2006]
Transcript Variant: This variant (1) uses an alternate 5'-terminal coding exon, compared to variant 2, resulting in a shorter protein (isoform 1) that has a distinct N-terminus, compared to isoform 2.