

Product datasheet for **RN200298**

Begain (NM_024163) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Begain (NM_024163) 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: >RN200298 representing NM_024163
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGGACGGGGCGGCCGGCCGGGCTTCGCCGGCGGCCTCGCCGAGACATGGAGAACTCA
 GTGCGCTGCAGGAACAGAAAGGGCGAGCTGCGCAAGCGCCTGTCTACACCACGCACAAGTTGGAGAAGCT
 GGAGACGGAGTTTACTCCACCCGCCACTATCTGGAGATTGAGCTGAGGGCGGCACAGGAGGAGCTGGAC
 AAGGTCACCGAGAACTGCGCAGGATTCAGAGCAACTACATGGCACTCCAGAGGATCAACCAAGAGCTGG
 AAGACAAGCTGTACCGGATGGGCCAGCACTATGAGGAAGAGAAGCGTGCCATGAGCCACGAGATTGTCGC
 CCTCAACAGCCACTGCTGGAGGCTAAGGTGACCATTGACAAGCTGTGAGAAGACAACGAGCTCTATAGG
 AAGGACTGCAATCTAGCGGCCAGCTGCTGCAGTGCAGCCAGACCTACGGCAGGGTCCATAAGGTGTCCG
 AGCTGCCCTCGGACTTCCAGCAGCGTGTGAGCCTGCATATGGAGAAGCATGGCTGCAGCCTGCCGTCCCC
 ACTGTGCCATCCGTCCTACGCCGACAGCGTGCCCACTGCGTCATCGCCAAGGTGCTGGAGAAGCCCGAC
 CCTGGCAGCCTGTCTCGCGCATGTCCGATGCCTCGGCCCGGACCTGGCCTACCGCGACGGAGTGGAGA
 ACCCGGGCCCGGACCCCGGTACAAGGGAGACATCTACTGCAGCGACACGGCTCTCTACTGCCCTGACGA
 GCGAGATCACGACCGGGCGGCCAGCGTGGACACGCCGGTGACCGACGTGGGCTTCTGCGTGCAGCAAT
 TCCACCGACAGCCTGGCGGAAGAGGAGGAGGCCGAGGGCGCGCCTTCCCGGAGGCCTACCGTCCGCGAGG
 CTTCCAGGGCTACGCGGCCCTCGCTGCCACGTCCAGCTCTACTCCAGCTTCAGCGCCAGTCCGAGGA
 GAAGGAGCACGCGCAGGCCAGCACGCTGACCGCCTCGCAGCAGGCCATCTACCTGAACAGCCGGAAGAG
 CTCTTCAGCCGCAAGCCGCCCTCCGCCACTACGGCAGCAGCCCTCGCTACGCCAAGGCCCGGCCACCC
 TGGGCTCCCCGCTCGAGGCCAGGTAGCCCCAGGCTTCGCTCGGACTGTGTCTCCGTACCCGGCCGAGCC
 CTACCGCTATCCGGCCTCCAGCAGGCTCTCATGCCTCCCAACCTGTGGAGCCTGCGGGCCAAGCCGAGC
 GGTAACCGGCTTCCGCCCGGGAGGACATTGAGGCCAGTGGCGCCCTGAGCGTGGAGGATGTGGGCG
 CCTACTCTTACCAGGCCGGCGCTGCAGGCCGCGCGCCTCGCCCTGCAACTTCTCAGAAGCTTTCTACGG
 CGGCGGTGGCGCGGGCGGAGCCCGGCAAGAATGCCAGGGCCGTGCCAGCCCCCTCTATGCCAGCTAC
 AAAGCCGATAGTTTCTCGGAGGGCGATGACCTCTCCAGGGTCTCTGGCCGAGCCCTGCTTCTCCGAG
 CGGGTGGTATCTGAGCCTCAGCCCCAGCCGTTGAGCTGATCCTCTCCCTGGCTATGCCACCAGTACGG
 GGATGGGATAGGCTCGGGTGCAGCTGTGTGGCCTGGCAGTAGCCCGGAGCCGAGCAGCGCTCCCGG
 GATTCCCTGGAGCTAGCTCCATGGAGGCTCTCCGAAATGCACCTCCAACCCGCTCAGCCCCAGC
 AGGCTTCCCAAGGACTGGAGGCTCTGGGCTGAGCCGCAAGGACAGTCTCACTAAGGCCAGCTCTACGG
 AACCTGCTCAACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_024163
- Insert Size:** 1836 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_024163.2](#), [NP_077077.1](#)

RefSeq Size: 2827 bp

RefSeq ORF: 1836 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 (2) represents the longer transcript and encodes the longer isoform (2).