

Product datasheet for **MC219777**

Begain (NM_001163175) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Begain (NM_001163175) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Begain
Synonyms:	BM948371; Gm897
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219777 representing NM_001163175
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTGGACGGGTGGCCGGCGGCCGGCCGGCTTCGCCGGCGGCCTCGCCGAGACATGGAGAACTCA
 GTGCCCTCCAGGAACAGAAAGGGCGAGCTGCGCAAGCGGCTCTCCTACACCACGCATAAGCTGGAGAAGCT
 GGAGACGGAGTTTACTCCACGCGCCACTACCTGGAGATTGAGCTGAGGGGTGCCAGGAGGAGCTAGAC
 AAGGTGACGGAGAACTGCGCAGGATTCAGAGCAACTACATGGCGCTGCAGAGGATCAACCAAGAGCTGG
 AGGACAAGCTGTACCGGATGGGCCAGCACTATGAGGAAGAGAAGCGTGCCATGAGCCATGAGATTGTCGC
 CCTCAACAGCCACCTGCTGGAGGCTAAGGTGACCATTGACAAGCTGTGGAGGACAACGAGCTCTATAGG
 AAGACTGCAATCTAGCGGCCAGCTGCTGCAGTGCAGCCAGACCTACGGCAGGGTCCATAAGGTGTCCG
 AGCTGCCCTCGGACTTCCAACAGCGCGTGAGCCTGCACATGGAGAAGCATGGCTGCAGCCTGCCGTCGC
 ACTGTGCCATCCGGCCTACGCCGACAGCGTGCCACCTGCGTCATCGCCAAAGTGTGGAGAAGCCGGAC
 CCGGGCAGCCTGTCTCGCGCATGTCCGATGCCTCGGCCCGCAGCTGGGCTACCGCGACGGAGTGGAGA
 AGTCGGGCGCCGGCCCGGTACAAGGGAGACATCTACTGCAGCGACCCAGCTCTCTACTGCCCCGACGA
 GCGGGAGCACGCCGGCGACCCAGCGTGGACACGCCGGTGACCGAGCTGGGCTTCTCGGGGCGCAGAAT
 TCCACCGACAGCGCGCGGAGGAGGAGGAAGAGGCCGAGGCGCGGCCCTTCCCGGAGGCCTACCGTCGGG
 AGGCCTACCAGGGCTACGCGGCCCTCGTGCACCTCCAGCTCTACTCCAGCTTCAGCGCCACGTCCTGA
 GGAGAAGGAGCACGCGCAGGCGGCGCAGCTGACCGCCTCGCAGCAGGCCATCTACCTGAGCAGCCGCGAC
 GAGTTCTTCAACCGCAAGCCCTCCGCCACCTACGGCAGCGGCCCTCGCTTCGCCAAGGCCGCTCCACCC
 TGGGCTCCCCGCTGGAGGCCAGGTCCGCCAGGCTTTGCTCGGACTGTGTCTCCGTACCGGCCGAGCC
 CTACCGCTACCGCGCCTCCCCCGGCCCCAGCAGGCTCTCATGCCTCCAACCTGTGGAGCCTGCGGGCC
 AAGCCGAGCGGGAACCGCTTGCCTGGGAGGACATTGAGGCCAGTGGCGCCCGTGAGCGTGGAGGATG
 TGGGCGCCTACTCCTACCAGGCCGGCGCGCTGCCGGCCGCGCTGCCTCGCCCTGCAACTACTCGGAACG
 TTACTACGGCGCGCGCGCGGGGGCGCGCTGGCGGCGCAGCCCCGGCGACAAGGCCGAGGGCCGT
 GCCAGTCCCCTCTATGCCACCTACAAGGCCGATAGTTTCTCGGAGGGCGATGACCTGTCTCAGGGTCATC
 TGGCCGAGCCCTGCTTCTCCGAGCAGGTGGCGATCTGAGCCTCAGTCCCAGTCTGCGCTGATGCGCT
 CGCTGGCTATGCAGCCAGTGTGGGATGGAGATAGGCTCAGGGTGCAGCTGTGTGGGGTGGCAGTAGC
 CCGGAGCCGAGCATGGCTCCCGGAGTCCCTGGAGCCTAGCTCCATGGAGGCCTCTCTGAAATGCACC
 CTCCACTCGCCTCAGCCCCAGCAGGCCCTCCCAAGGACTGGAGGCTCTGGGCTGAGCCGTAAGGACAG
 TCTCACTAAAGCCAGCTCTACGGTACCCTGCTCAACT**GTA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001163175

Insert Size: 1860 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_001163175.1](#), [NP_001156647.1](#)

RefSeq Size: 2728 bp

RefSeq ORF: 1860 bp

Locus ID: 380785

UniProt ID: [Q68EF6](#)

Cytogenetics: 12 F1

Gene Summary: May sustain the structure of the postsynaptic density (PSD).[UniProtKB/Swiss-Prot Function]