

Product datasheet for **MG224568**

Begain (NM_001163175) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Begain (NM_001163175) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Begain
Synonyms:	BM948371; Gm897
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG224568 representing NM_001163175
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGGACGGGTGGCCGGCGCCGGGCCGCTTCGCCGGCGGCCTCGCCGAGACATGGAGAACTCA
 GTGCCCTCCAGGAACAGAAAGGGCGAGCTGCGCAAGCGGCTCTCCTACACCACGCATAAGCTGGAGAAGCT
 GGAGACGGAGTTTACTCCACGCGCCACTACCTGGAGATTGAGCTGAGGGGTGCCAGGAGGAGCTAGAC
 AAGGTGACGGAGAACTGCGCAGGATTCAGAGCAACTACATGGCGCTGCAGAGGATCAACCAAGAGCTGG
 AGGACAAGCTGTACCGGATGGGCCAGCACTATGAGGAAGAGAAGCGTGCCATGAGCCATGAGATTGTCGC
 CCTCAACAGCCACCTGCTGGAGGCTAAGGTGACCATTGACAAGCTGTGGAGGACAACGAGCTCTATAGG
 AAGGACTGCAATCTAGCGGCCAGCTGCTGCAGTGCAGCCAGACCTACGGCAGGGTCCATAAGGTGTCCG
 AGCTGCCCTCGGACTTCCAACAGCGCGTGAGCCTGCACATGGAGAAGCATGGCTGCAGCCTGCCGTCCGC
 ACTGTGCCATCCGGCCTACGCCGACAGCGTGCCACCTGCGTCATCGCCAAAGTGTGGAGAAGCCGGAC
 CCGGGCAGCCTGTCTCGCGCATGTGGATGCCTCGGCCCGCGACCTGGGCTACCGCGACGGAGTGGAGA
 AGTCGGGCCCCGGCCCCCGTACAAGGGAGACATCTACTGCAGCGACCCAGCTCTCTACTGCCCCGACGA
 GCGGGAGCACGCCGGCGACCCAGCGTGGACACGCCGGTGACCGAGCTGGGCTTCTCGGGGCGCAGAAT
 TCCACCGACAGCGCGCGGAGGAGGAGGAAGAGGCCGAGGCGCGGCCCTTCCCGGAGGCCTACCGTCGGG
 AGGCCTACCAGGGCTACGCGGCCCTCGTGGCCACCTCCAGCTCTACTCCAGCTTCCAGCGCCACGTCGGA
 GGAGAAGGAGCACGCGCAGGCGGACGCTGACCGCCTCGCAGCAGGCCATCTACCTGAGCAGCCGCGAC
 GAGTTCTTCAACCGCAAGCCCTCCGCCACTACGGCAGCGGCCCTCGCTTCGCCAAGGCCGCTCCACCC
 TGGGCTCCCCGCTGGAGGCCAGGTGCCCCAGGCTTTGCTCGGACTGTGTCTCCGTACCCGGCCGAGCC
 CTACCGCTACCCGGCCTCCCCCGGCCCCAGCAGGCTCTCATGCCTCCAACCTGTGGAGCCTGCGGGCC
 AAGCCGAGCGGGAACCGCTTGGCGGGAGGACATTGAGGCCAGTGGCGCCCGTGAGCGTGGAGGATG
 TGGGCGCCTACTCTACCAGGCCGGCGCCGCTGCGGCGCGCTGCCTCGCCCTGCAACTACTCGGAACG
 TTACTACGGCGCGGCGGCGGGGGCGCCGCTGGCGGCGCAGCCCCGGCGACAAGGCCGAGGGCCGT
 GCCAGTCCCCTCTATGCCACCTACAAGGCCGATAGTTTCTCGGAGGGCGATGACCTGTCTCAGGGTCATC
 TGGCCGAGCCCTGCTTCTCCGAGCAGGTGGCGATCTGAGCCTCAGTCCCAGTCTGCGCTGATGCGCT
 CGCTGGCTATGCAGCCAGTGTGGGATGGAGATAGGCTCAGGGTGCAGCTGTGTGGGGCTGGCAGTAGC
 CCGGAGCCGAGCATGGCTCCCGGAGTCCCTGGAGCCTAGCTCCATGGAGGCCTCTCTGAAATGCACC
 CTCCACTCGCCTCAGCCCCAGCAGGCCCTTCCAAGGACTGGAGGCTCTGGGCTGAGCCGTAAGGACAG
 TCTCACTAAAGCCAGCTCTACGGTACCCTGCTCAAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG224568 representing NM_001163175
 Red=Cloning site Green=Tags(s)

MWTGRRPGRLLRAASAADMEKLSALQEQKGLRRLSYTTHKLEKLETEFDSTRHYLEIELRRAQEELD
 KVTEKLRRIQSNYMALQRINQELEDKLYRMQHYEEEKRAMSHEIVALNSHLLLEAKVTIDKLSDELRYR
 KDCNLAQLLQCSQTYGRVHKVSELPSDFQQRVSLHMEKHGCSLPSALCHPAYADSVPTCVIAKVKLPD
 PGSLSRRMSDASARDLGYRDGVEKSGPRPPYKGDICYSDPALYCPDEREHARRPSVDTPTVDVGLRAQN
 STDSAAEEEEAEAAAFPEAYRREAYQGYAASLPTSSSYSSFATSEEKEHAQAGTLTASQQAIYLSRD
 EFFNRKPSATYGSGRFKAASSTLGSPLAQVAPGFARTVSPYPAEPYRYPASPGPQQALMPPNLWSLRA
 KPSGNRLAGEDIRGQWRPVSVEDVGAYSQAGAAAGRAASPCNYSERYGGGGGGAAGGGSPGDKAEGR
 ASPLYATYKADSFSEGDDL SQGHLEPCFLRAGGDL SLSPRSADALAGYAASDGDGRLRVQLCGAGSS
 PEPEHGSRESLEPSSMEASPEMHPPTRLSPQAFPRTGSSGLSRKDSLTKAQLYGTLLN

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001163175

ORF Size: 1857 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

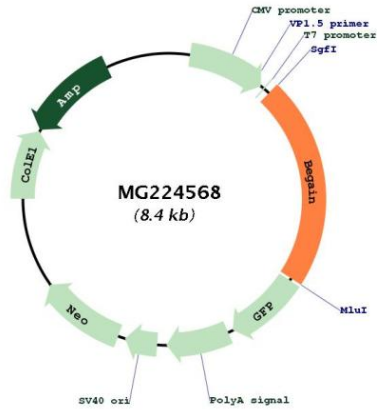
Locus ID: 380785

UniProt ID: [Q68EF6](#)

Cytogenetics: 12 F1

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

Product images:



Circular map for MG224568