

Product datasheet for **RG200943**

BEGAIN (NM_020836) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BEGAIN (NM_020836) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BEGAIN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG200943 representing NM_020836
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGAACTCAGCGCTGCAGGAGCAGAAGGGCGAGCTGCGCAAGCGGCTGTCTACACCACACACA
 AGCTCGAGAAGCTCGAGACCGAGTTCGACTCCAGCGCCACTACCTGGAGATCGAGCTGCGGCGCGCA
 GGAGAACTGGAGAAGGTCACGGAGAAGCTGCGCAGGATTCAGAGCAACTACATGGCACTGCAGAGGATC
 AACCGAGGAGCTGGAGGACAAGCTGTACCGCATGGGCCAGCACTATGAGGAGGAGAAGCGTGCCTGAGCC
 ACGAGATTGTTGCCCTCAACAGCCATCTGCTAGAAGCCAAGGTGACCATCGACAAGCTGTGAGAGGACAA
 CGAGCTCTATAGGAAGGACTGCAATCTAGCGGCCAGCTGCTGCAGTGCAGCCAGACCTACGGCAGGGTC
 CACAAGGTGTCTGAGCTGCCCTCGGATTTCCAGGAGCGCTGAGCCTGCACATGGAGAAGCACGGCTGCA
 GCCTGCCATCCCCGCTCTGCCACCCGGCCTACGCCGACAGCGTCCCACCTGCGTCATTGCCAAGGTGCT
 GGAGAAGCCGGACCCCGCAGCCTGTCTCCCGCTGTCCGATGCCTCCGCCCGCAGCTGGCCTTCTGC
 GACGGGTGGAGAAACCAGGCCCGCGGCCCTACAAGGGAGACATCTACTGCAGTGCACACAGCCCTCT
 ACTGCCCGGAGGAGCGCGGCGAGACCGCGGCCCTAGCGTGGACGCGCCCGTGCACGAGTGGGTTCTCT
 GCGGGCCAGAACTCCACTGACAGCGCGGCCGAGGAGGAGGAGGAGGCGGCGGCGGCTTCCCGGCG
 GGCTTCCAGCATGAGGCCCTCCCGAGCTACGCAGGCTCACTGCCACGTCCAGCTCTACTCCAGCTTCA
 GCGCCAGTCCGAGGAGAAGGAGCACGCGCAGGCCAGCACGCTGACCGCGTGCAGCAGGCCATCTACCT
 GAACAGCCGCGACGAGCTCTTCGACCGCAAGCCACCCGCCACCACCTACGAGGGCAGCCCTCGCTTTGCC
 AAGGCCACGGCCGCGGTGGCGGCCCGCTGGAGGCCGAAGTGGCCCAGGCTTCGGGCGGACCATGTAC
 CGTACCCGGCCGAGACCTTCCGCTTCCCGCCTCTCCGGTCCCAGCAGGCCCTGATGCCCCAAACCT
 GTGGAGCCTGCGGGCCAAGCCGGGACCGCCCGCTCCCGGGGAGGACATGAGGGGCCAGTGGCGTCCC
 CTGAGCGTGGAGGACATCGGCGCCTACTCTACCCCGTGCAGCGTGCAGCGCGCCCTCACCTGCAGCT
 TCTCTGAACGCTACTACGGCGGGCCGGGGCAGCCCGGCAAGAAGGCCGACGGCCGCGCCAGCCCGCT
 CTACGCCAGTACAAGGCCGACAGCTTCTCCGAGGGGACGACCTCTCCAGGGCCACTGGCAGAGCCC
 TGCTTCTGCGGGCGGGCGGACCTGAGCCTCAGTCCCGGCCGCTCGGCTGACCCACTGCCCGCTATG
 CACCCAGCAGGGGGGGACGGGACAGGCTCGGGTGCAGCTGTGTGGACCGCCAGCAGCCCTGAGCC
 CGAGCAGGTTCCAGGACTCCTTGAGCCGAGCTCCATGGAGGCTCCCGGAAATGCATCTGCCGCC
 CGCCTCAGCCCCAGCAGCCTTCCGCGGACTGGTGGCTCGGGCTGAGCCGAAGGACAGCCTACCA
 AGGCCAGCTCTACGGAACCTTGCTCAAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG200943 representing NM_020836
 Red=Cloning site Green=Tags(s)

MEKLSALQEQKGLRKRLSYTHKLEKLETEFDSTRHYLEIELRRAQEELKVKTEKLRRIQSNYMALQRI
 NQELEDKLYRMGQHYEEEKRALSHIVALNSHLLLEAKVTIDKLSKDNLNLAQLLQCSQTYGRV
 HKVSELPDFQERVSLHMEKHGCSLPSPLCHPAYADSVPTCVIAKVLEKPDPASSLSSRLSDASARDLAFC
 DGVEKPGPRPPYKGDIIYCSDTALYCPEERRRRRPSVDAPVTDVGFRAQNSTDSAAAAEEAEAAFFPA
 GFQHEAFPSYAGSLPTSSSYSSFATSEEKEHAQASTLTASQQAIIYLSNRDELFDKPPATTYEGSPRFA
 KATAAVALPEAEVAPGFGRMTSPYPAETFRFPASPGPQQALMPPNLWSLRAKPGTARLPGEDMRGQWRP
 LSVEDIGAYSYPVSAAGRASPCFSERYGGAGGSPGKKADGRASPLYASYKADSFSEGGDL SQGHLAEP
 CFLRAGGDLSPGRSADPLPGYAPSEGGDRLGVQLCGTASSPEPEQGSRSLSLEPSSMEASPEMHPAA
 RLSPQQAFPRTTGSGLSRKDSLTKAQLYGTLLN

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_020836

ORF Size: 1779 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_020836.4](#)

RefSeq Size: 2723 bp

RefSeq ORF: 1782 bp

Locus ID: 57596

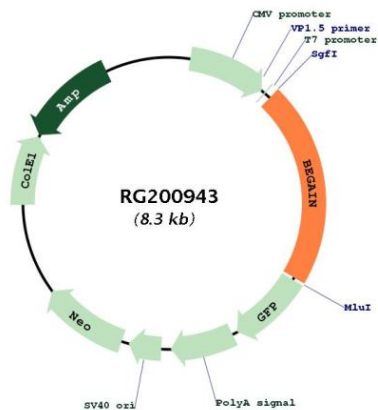
UniProt ID: [Q9BUH8](#)

Cytogenetics: 14q32.2

Protein Families: Druggable Genome

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

Product images:



Circular map for RG200943