

Product datasheet for **MG225659**

Btn1 (NM_001111094) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Btn1 (NM_001111094) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Btn1
Synonyms:	Btn13; Gm33; Gm316
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG225659 representing NM_001111094
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGAAGGCTCCCCCTCCGTCCTCCAGCTGGTTGTCTCCTCCCTCTGCTCCTCTGCTGTTTACCG
 GAGTCTCTGGAGAAGTGTCTTGGTTTTCTGTGAAGGGACCAGCTGAGCCATCACTGTCTGCTGGGGAC
 TGAAGCCACCCTGCCCTGCCAGCTGTCTCTGAACAGAGTGCAGCTCGCATGCACATCCGATGGTACCGT
 GCCCAGCCACCCTGCTGTGCTGGTGTCCACAACGGACAGGAGCAGGGAGAGGTGCAGATGCCGGAAT
 ACAGGGGACAGCCAGATGGTGTGAGACAAGCCATTGACATGGGAAGTGTGGCTCTGCAGATACAGCAGGT
 CCAGGCCCTCTGATGATGGCCTGTACCACTGTGAGTTTACAGATGGCTTCCCTCCCAAGAGGTCTCCATG
 GAGCTTCGAGTCATAGGTTTAGGCTCTGCCCTCTTGTTCACATGACAGGACCTGAGAATGATGGGATCC
 GAGTGTGTGCTCCTCAAGTGGCTGGTTCCAAAACCCAAAGTGAATGGAGAGACACCTCCGGGAACAT
 GCTACTGCTCCTCTGAGTTGCAGACCAAGACAGAGAAGGGCTTCCAGGTGGAAGTGTCTCTTTTG
 GTCACAGATAGAGCTATTGGCAATGTGATCTGCTCCATCCAAAATCCCATGTATGACCAGGAGAAAATCGA
 AGGCCATCCTCCTCCAGAGCCCTTCTCCCAAGACGTGCCATGAAAAGTAGCCCTGGTTTGTCTGT
 CCTCATACTATTGGTCTGCTCGGTGGGATCAGCCTTGGAAATCTGGAAAAGAACATCAAGTCAAAGGAGA
 GAAATTAATAAATGGTCAAAGGAACATGAAGAAATGCTTCTGTTGAAGAAGGGGACAAAATCTGTACTGA
 AGATCAGAGATGACCTCCAGGCCGACCTAGATCGGAGGAAGGCGCTGTACAAAAGAAGACTGGAAGAAGGC
 CTTGCTGTACCCTGACTGGAGGAAGGAGCTGTTCCAGGAGGCTCCTGTGAGGATAAATTATGAAATGCCT
 GACCAGGACAAGACAGACTCAAGGACAGAAGAGAAGAGAGTGTGAGGAGACTGTGAGGAGTGTGAGTCA
 ACCACAACCTCATCACACTCTCCAGGAAGGCTTCATGTTGGGAAGATACTACTGGGAGGTGGATGTCAA
 GGACACAGAGGAGTGGACACTAGGAGTTTATGAGCTGTGCACTCAGGATGCATCACTTACAGACCCCTTG
 AGGAAATTCAGAGTCTGAAAAGAATGGAGATGGATACAGGGCTCTTGACTTCTGTTCCAAAACATTA
 ATTCGGAAGAACCTCTGCAACTGAAGACACGTCCGCTGAAGATCGCCATCTTCTTGGATCAGGAAGACAA
 TGACCTCTCTTTCTACAACATGACCGATGAGACACACATCTTTTCTTTGCCAGGTCCCTTTCTTGGGA
 TCACCCTATCCTTACTTCACACGTAATTCATGGGGCTCTCTGCAACAGCACAGCCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG225659 representing NM_001111094
 Red=Cloning site Green=Tags(s)

MMKGSPSVPPAGCLLPLLLLLFTGVSSEVSWFSVKGPAEPIVLLGTEATLPCQLSPEQSAARMHIRWYR
 AQPTPAVLVFHNGQEQGEVQMPEYRGRQMVRQAIDMGVALQIQVQASDDGLYHCQFTDGFTSQEVSM
 ELRVIGLGSAPLVHMTGPENDGIRVLCSSSGWFPKPKVQWRDTSNMLLSSELTQDREGLFQVEVSL
 VTDRAIGNVICSIQNPYDQEKSKAILLPEPFFPKTCPWKVALVCSVLILLVLLGGISLGIWKEHQVKRR
 EIKKWSKEHEEMLLLKKGTKSVLKIRDDLQADLDRRKALYKEDWKKALLYPDWRKELFQEAPVRINYEMP
 DQDKTDSRTEENRGEETVSSSQVDHNLITLSQEGFMLGRYYWEVDVKDTEEWTLGVYELCTQDASLTDPL
 RKFRVLEKNGDGYRALDFCSQINSEELQLKTRPLKIAIFLDQEDNLSFYNMDETHIFSFAQVPLFG
 SPYPYFTRNSMGLSATAQP

TRTRPLE – GFP Tag – V

Chromatograms:

https://cdn.origene.com/chromatograms/ja1715_g01.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001111094

ORF Size: 1527 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_001111094.1](#), [NP_001104564.1](#)

RefSeq Size: 2113 bp

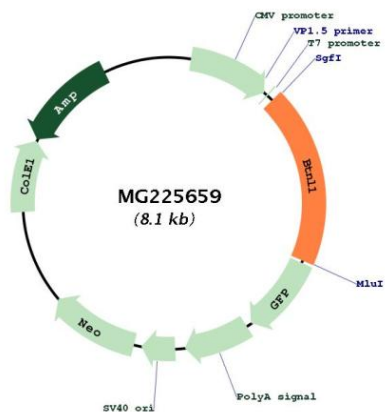
RefSeq ORF: 1530 bp

Locus ID: 100038862

UniProt ID: [Q7TST0](#)

Cytogenetics: 17 17.98 cM

Product images:



Circular map for MG225659