

Product datasheet for **RN216842**

Btn1a1 (NM_001170337) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Btn1a1 (NM_001170337) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Btn1a1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN216842 representing NM_001170337
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGTCCCACCAACTCTTGTCTTTGGTCTGTCTGCTCACCTTTACAGTCCTACAGCTACCTACGT
 TGGATTACAGCAGCTCCCTTCAATGTGACTGCACCTCAGGAGTCAGTGCTGGCCGTAGTGGGTTTCAGATGC
 GGAGCTGACCTGTGCTTTTCCCAAACGCAAGCTCAGAGCAAATGGAGCTGCTGTGGTTTCGACAGACG
 AGGTCCGACGCGTACTTCTGTACCGGGCTGGCCAGGAGCAGGAGGGCGAGCAGATGACCGAGTACCACG
 GGAGGGCGACGCTGGTGACAGCCAGACTCTAGACGGCTCGCTACTCTGCGGATCCGAGGTGTCAGGGT
 CTCCGACCAGGGCAATACCGGTGCTTTCTCAAAGACAACGACGACTCCGAGGAGGCCGCTGTGCATCTC
 AAAGTGGTCTGTGGGCTCAGATCCTTACATCAGTATGAAGTTCAAGAGAATGGAGACATGGAGCTGG
 AGTGCACCTCCTCTGGATGGTACCCAGAACCTCAGGTACAGTGGAGAACAGCCAACAGAGAGATGCTACC
 ACCCACATCAGAGTCCAGGAATCCTGATACGGAAGGCTTGTTCACTGTGACAGCTTCTATGATGATCAGA
 GACAACCCATAAAGAATATGTCCTGCTGCATTAGAATATCCTCCTGGCCAGGGGAAGGAAGTAGAGA
 TCTCCTTACCAGCTCCCTTCTTGCCAAGGCTGACTCCTTGGATAGTAGCCTTGGCTATTGTCAATTTGGC
 CTTAGGGTTTCTCGCAATCGGGTCCATATTTTTCACTTGGAACTATAACAAGAAAGATCTAGAGAGCGG
 AAGAAGGAATTTGGCTCTAAAGAGAGGCTTCTGGAAGAACTCAGATGCAAAAAGACTGCCCTTCATGAAG
 TTGATGTGACTCTGGATCCAGACACAGCTCACCCACCTCTTCTGTATGAAGATTCAAAGTCGGTTTCG
 ATTGGAAGATTCACGTCAGATCCTGCCTGATAGACCAGAGAGATTTGACTCCTGGCCCTGCGTGTGGGC
 CGTGAGACCTTTACTTCAGGGAGACATTATTGGGAGGTGGAGTGGGAGATAGAAGTATTGGGCCATTG
 GTGTGTGATAGGGAATGTGGTGAAGAAAGGTTTGACCCATGACTCCTGATAATGGGTTCTGGGCTGT
 GGAGTTGTATGGAAATGGGTACTGGGCCCTCACCCACTCCGGACCCCTCTCCGGTTGGCAGGACCCCT
 CGCCGAGTTGGGTTTTTTTGGACTATGAATTAGGAGACATTTCTTCTACAATAGAGTATGGATCTC
 TTATCTATGCTTTCCCTAGCATCTTTTCTCTGGTCCCCTCCGTCCTTCTTTTGTCTGTGGTCTGTGG
 TAAAAAGCCCTAACCATCTGTCCAACCGCCAATGTGCCTGAGAAAATCACAGTCATTGCTAATGTCCAG
 GACAACATTCCCTTGTCCCCTCTGGGGGAAGGCTCTACTTCAGGAGACAAAGATAGTCTCCATTCTAAAC
 TGATACCTTTCTACCTAGCCAAGCAGCACCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001170337
- Insert Size:** 1575 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001170337.1](#), [NP_001163808.1](#)

RefSeq Size: 1575 bp

RefSeq ORF: 1575 bp

Locus ID: 306956

Cytogenetics: 17p11