

Product datasheet for **RN201713**

Btd (NM_001012047) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Btd (NM_001012047) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Btd
Synonyms:	MGC109548
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >RN201713 representing NM_001012047
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGCTCGAGCCCGCACTGCGCATGCGCTCGTCTTCTCCTCGGCTGTTCTGCGCTTGGCTTGGGCGTCT
GCTCAGCCTCCCTGGAGCACGGCGAGGCTGAGTACTACGTGGCTGCCGTGTACGAACACCGATCGGTCTT
GAGCCAAACCCCTGGAGCTCAGCAGCCGCCAGCAGGCCCTGGAGCTCATGAAGCAGAACCTCGACGTC
TATGAACAGCAAGTGATGGTGCAGCCAGAAGGGTGCACATTATAGTGTCCAGAAGACGGTATCC
ACGGATTCAACTTACAAGAATCCATTTACCCATTCTTGGACTTGATGCCATCTCCAGGCTGGTCAG
TTGGAACCCGTGCTGGAGCCCTTTCGCTTCAATGACACGGAGGCTCCAGCGCCTGAGTTGCATGGCC
ATCAAGGAAAGATGTTCTTGGTGGCAATCTTGGGACAAAACAGCCTTGCCTCGGCAGCGACCCCTGGT
GCCCGCAGGACGGGAGATACCAGTTAACACAAACGTGCGTTTCAAGTACACCGGAACCCCTCGTGGCCG
CTACCGTAAGCACAACTGTACTTTGAGGAAGCCTTCGATAGCCCTGCTGACGTGGACCTACCACCTTT
GATACGCCGTTCCGCGGGCAAGTTCGGTATGTTCACTTGCCTTGGATATCCTGTTCTTTGACCCCGCGTCC
GGCTCCTCAGAGACTTTGAGTAAAGCACATTGCGTACCCTACGGCCTGGATGAACCAGCTGCCGCTCTT
GGCAGCCATTGAAATCCAGAAAGCATTCCGCCACCCTTCCGGCTCACCGTTCTGGCAGTAACATCCAC
CACCCGACTCTGGGGATGACGGGAGTGGCATAACACCCTCTGAAGTCTTTTGGTACCATAACATGG
ACGACCCCGAAGGTCACCTTATAATTGCCCGGGTAGCCACAAACCCACAGGGCCTCGTTGGGACAGAGAA
TACAACTAGTGAATGGATCCGTCATAGGAAGTCTTAAAAGTCTTGTCTGGGGATCCGTAAGTGTGAG
AAGGATGCCAGGAAGTGCCTGCGCAGCAGGCTGCCAAGTGAACCTGAACGCACCACCTACCTTCCACT
CGGAGATGATGTATGACAATTTACCCCTGGTCCCGCTCTGGGAAAGGAAGGCCACCTCCAGGTGTGCTC
CAACAGTCTCTGTTGCCACTTACTTTTCGAGAGGCCCGCCCTGTCCAAAGAGCTATATGCCCTGGGTGTC
TTTGACGGACTCCACACAGTGCACGGTACTACTACGTTCAAGCCTGTGCCCTGGTCAAGTGCAGGGGCG
CTGGCTTTGAAACCTGCGGGCAGGAGATCTCGGAGGCCGAGGGCTTGTGTTGACTTTCATCTGTGGGGAA
CTTCAGCACCTTGTATGTCTTCCCTTTATTTCTCACCTCGGGGATGACCCTAGACACCCCTGACCAGCTC
GGGTGGGAGAGCGACCACTATTTCTTGGGAAGAGGGGACTGTCTCCGGCCTGGTACGGCAGCTCTCT
ATGGGCGGTTGTATGAGAGGAAT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001012047

Insert Size: 1566 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_001012047.1](#), [NP_001012047.1](#)

RefSeq Size: 1999 bp

RefSeq ORF: 1566 bp

Locus ID: 306262

UniProt ID: [Q5FVF9](#)

Cytogenetics: 16p16

Gene Summary: Catalytic release of biotin from biocytin, the product of biotin-dependent carboxylases degradation.[UniProtKB/Swiss-Prot Function]