

Product datasheet for **MC228121**

Btn2a2 (NM_001289615) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Btn2a2 (NM_001289615) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Btn2a2
Synonyms:	Btn2; D030063K05
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >MC228121 representing NM_001289615
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGCCTACAACCTCCCTGCGTTCCTGCCCCGATAGCCTCCCTTCTTCTTCTTGGTCCCTCAGCCTGT
 TTGTGCTGGTCTCAGCCAGTTTACTGTATAGGACCAGCTGAGCCCATCCTGGCCATGGTAGGAGAGAA
 TACCACACTACACTGCCACCTGTACCAGAGAGAAATGCCGAAGAGATGGAGGTGCGGTGGTTCCGGTGG
 CGTTTCTCCCTGCAGTCTGGTGTACAGAGGCCATCAAGAGAGACCAGAGGAGCAGATGGTGGCATAACC
 GAGGAAGAACCACCTTATGCGCACAGACATCAGCAAGGGAAGAGTTGCGCTCATTATCCACAATGTCAC
 AGCCTATGACAATGGCATCTACTGCTGTTACTTCCAGGAAGGCAGGTCTATGACCAGGCAACCATGAAG
 CTTATGGTGGCAAGCCTTGGCTCTGAGCCACTTATTAATGAAGACACTTGAGGATGGGAGCATCTTGC
 TAGAGTGCACATCTGAAGGTGGTACCCAGAGCCCGAGCTGTGTGGAGAGACCCTATGATGAAGTTGT
 ACCTGCCCTGGAGGAGGATATACAGCTGACAGAGAAGGCCTTTCACAGTCACCATGACTATAATCATC
 AGGGACTGCTCTGTGAGGAACATGACCTGCTCTGTCAATAACACTCTGCTCAGCCAGGAGGTGAAAGTG
 TGATTCTCATTCCAGAATCCTTCGTGCCAGCCTTCTCTGTGGATGGTGGCTGTGGCTGTCACTCTGCC
 TGTAGTAATGCTGATTCTCCTCATCTGGAAGCATCTGCCTTGTCAAGAAACACCGCAGGAAGAAATCT
 ATTCTGTCAGCTGAAAAAGAAGCCGAATATGAAGAGAAGGAAGCTGCACGGCAACTTCAAGAGGAAGTGC
 GATGGAGACGAACCCTTACATGCTGCTGACGTGGTCTTGACCCAGATACAGCTCATCCTGAGCTCTT
 CCTGTCAGATGACCAGAGAAGTGAATACGAGGCTCTTCGAGGCAGAGTGTGCCGACAACCCTGAGAGA
 TTTGACTGCCGTCCATGTGCTCTGGCAGGGAAGCTTCTCCTCAGGGAAGCATTACTGGGAGGTGGAGG
 TGGAAAATGTAATGGTGTGGGCCATTGGTGTGGTGTAGAGACAGCGTGGAAAGGAAAGGGGAGGCCCTGT
 GGTTCTCAGAATGGCTTCTGGACCCTGGAGATGTTTGAAGCCAGTATCGAGCCCTGCTCCTCCAGAA
 AAGATCATACCTCTGAAAGAGCGTCTTACCCTATAGCTGTCTTCTGGACTGTGAGGGTGGAGATATTT
 CTTTCTACAACATGAGAGACAGATCACACATTTACACATGTCCTCCTGTGACTTTCACTGGGCCCTGAG
 ACCCTTCTTAGGCTTGGTTCTGATGACAGTCCCTGTTTCATCTGTCCAGCATTACAGGGGCACAGGGA
 GTTACAATACCTGAGGGTGGCTTATTCCTATATAAGACAAGACCAATTTCTCAGAGCCTTGAAGGAAGC
CATAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001289615

Insert Size: 1545 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_001289615.1](#), [NP_001276544.1](#)

RefSeq Size: 2924 bp

RefSeq ORF: 1545 bp

Locus ID: 238555

UniProt ID: [A4QPC6](#)

Cytogenetics: 13 A3.1

Gene Summary: Inhibits the proliferation of CD4 and CD8 T-cells activated by anti-CD3 antibodies, T-cell metabolism and IL2 and IFNG secretion.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (3) differs in the 5' UTR, compared to variant 1, and encodes isoform 1. Variants 1 and 3 encode the same isoform. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.