

Product datasheet for **MC228079**

Btn2a2 (NM_001289614) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Btn2a2 (NM_001289614) 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



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Fully Sequenced ORF: >MC228079 representing NM_001289614
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAGCCTACAACCTCCCTGCGTTCTTGCCCGATAGCCTCCCTTCTTCTTCTTGGTCCCTCAGCCTGT
 TTGTGCTGGTCTCAGCCAGTTTACTGTATAGGACCAGCTGAGCCCATCCTGGCCATGGTAGGAGAGAA
 TACCACACTACACTGCCACCTGTCAACGAGAGAAATGCCGAAGAGATGGAGGTGCGGTGGTTCCCGTGG
 CGTTTCTCCCTGCAGTCTGGTGTACAGAGGCCATCAAGAGAGACCAGAGGAGCAGATGGTGGCATAACC
 GAGGAAGAACCACCTTTCATGCGCACAGACATCAGCAAGGGAAGAGTTGCGCTCATTATCCACAATGTCAC
 AGCCTATGACAATGGCATCTACTGCTGTTACTTCCAGGAAGGCAGGTCTATGACCAGGCAACCATGAAG
 CTTATGGTGGCAAGCCTGGCTCTGAGCCACTTATAAAATGAAGACACTTGAGGATGGGAGCATCTTGC
 TAGAGTGCACATCTGAAGGTGGTACCCAGAGCCCGAGCTGTGTGGAGAGACCCTATGATGAAGTTGT
 ACCTGCCCTGGAGGAGGAGTATACAGCTGACAGAGAAGGCCTTTCACAGTCACCATGACTATAATCATC
 AGGGACTGCTCTGTGAGGAACATGACCTGCTGTCAATAACACTCTGCTCAGCCAGGAGGTGGAAAGTG
 TGATTCTCATTCCAGAATCCTTCGTGCCAGCCTTCTCTGTGGATGGTGGCTGTGGCTGTCACTCTGCC
 TGTAGTAATGCTGATTCTCCTCACATCTGGAAGCATCTGCCTTGTCAAGAAACACCCGAGGAAGAAATCT
 ATTCTGTCAGCTGAAAAAGAAGCCGAATATGAAGAGAAGGAAGCTGCACGGCAACTTCAAGAGGAACTGC
 CTGACGTGGTCCCTGGACCCAGATACAGCTCATCCTGAGCTTCTCTGTGATGACCAGAGAAGTGAAT
 ACGAGGCTCTTCGAGGCAGAGTGTCCCTGACAACCCTGAGAGATTTGACTGCCGTCCATGTCTCTGGGC
 AGGGAAGCTTCTCCTCAGGGAAGCATTACTGGGAGGTGGAGGTGGAAAAATGTAATGGTGTGGCCATTG
 GTGTTTGTAGAGACAGCTGGAAAGGAAAGGGGAGGCCCTGTTGGTTCTCAGAATGGCTTCTGGACCCT
 GGAGATGTTTGGAAAGCCAGTATCGAGCCCTGTCTCCCCAGAAAAGATCATACCTCTGAAAGAGCGTCTT
 CACCGTATAGCTGTCTTCTGGACTGTGAGGGTGGAGATATTTCTTTCTACAACATGAGAGACAGATCAC
 ACATTTACACATGCTCCTCTGTACTTTACTGGGCCCTGAGACCCTTCTTTAGGCTTGGTTCTGATGA
 CAGTCCCCTGTTTCATCTGTCCAGCATTACAGGGGCACAGGGAGTTACAATACCTGAGGGTGGCTTATTC
 CTATATAAGACAAGACCAATTTCTCAGAGCCTTGAAGGAAGCCA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001289614
- Insert Size:** 1518 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_001289614.1](#), [NP_001276543.1](#)

RefSeq Size: 2956 bp

RefSeq ORF: 1518 bp

Locus ID: 238555

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 (2) lacks an exon in the 3' coding region, compared to variant 1, and encodes a shorter protein (isoform 2), compared to isoform 1. 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.