

Product datasheet for **MC217366**

Btn2a2 (NM_175938) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Btn2a2 (NM_175938) 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: >MC217366 representing NM_175938
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCCTACAACCTCCCTGCGTCTCTGCCCGATAGCCTCCCTTCTTCTTCTTGGTCCCTCAGCCTGT
 TTGTGCTGGTCTCAGCCAGTTTACTGTATAGGACCAGCTGAGCCCATCCTGGCCATGGTAGGAGAGAA
 TACCACACTACACTGCCACCTGTACCAGAGAGAAATGCCGAAGAGATGGAGGTGCGGTGGTTCCGGTGG
 CGTTTCTCCCTGCAGTCTGGTGTACAGAGGCCATCAAGAGAGACCAGAGGAGCAGATGGTGGCATAACC
 GAGGAAGAACCACCTTCATGCGCACAGACATCAGCAAGGGAAGAGTTGCGCTCATTATCCACAATGTCAC
 AGCCTATGACAATGGCATCTACTGCTGTTACTTCCAGGAAGGCAGGTCTATGACCAGGCAACCATGAAG
 CTTATGGTGGCAAGCCTTGGCTCTGAGCCACTTATTAATGAAGACACTTGAGGATGGGAGCATCTTGC
 TAGAGTGCACATCTGAAGGTGGTACCCAGAGCCCGAGCTGTGTGGAGAGACCCTATGATGAAGTTGT
 ACCTGCCCTGGAGGAGGATATACAGCTGACAGAGAAGGCCTTTCACAGTCACCATGACTATAATCATC
 AGGGACTGCTCTGTGAGGAACATGACCTGCTGTCAATAACACTCTGCTCAGCCAGGAGGTGAAAGTG
 TGATTCTCATTCCAGAATCCTTCGTGCCAGCCTTCTCTGTGGATGGTGGCTGTGGCTGTCACTCTGCC
 TGTAGTAATGCTGATTCTCCTACATCTGGAAGCATCTGCCTTGTCAAGAAACCCGAGGAAGAAATCT
 ATTCTGTCAGCTGAAAAAGAAGCCGAATATGAAGAGAAGGAAGCTGCACGGCAACTTCAAGAGGAAGTGC
 GATGGAGACGAACCTCTTACATGCTGCTGACGTGGTCTTGACCCAGATACAGCTCATCCTGAGCTCTT
 CCTGTGATGACCAGAGAAGTGAATACGAGGCTCTTCGAGGCAGAGTGTGCCTGACAACCTGAGAGA
 TTTGACTGCCGTCCATGTGCTGGGCAGGGAAGCTTCTCCTCAGGGAAGCATTACTGGGAGGTGGAGG
 TGGAAAATGTAATGGTGTGGGCATTGGTGTGTTGTAGAGACAGCGTGGAAAGGAAAGGGGAGGCCCTGTT
 GGTTCTCAGAATGGCTTCTGGACCCTGGAGATGTTTGAAGCCAGTATCGAGCCCTGTCCTCCCCAGAA
 AAGATCATACCTCTGAAAGAGCGTCTTACCCTATAGCTGTCTTCTGGACTGTGAGGTTGGAGATATTT
 CTTTCTACAACATGAGAGACAGATCACACATTTACACATGTCCTCCTGTGACTTTCACTGGGCCCTGAG
 ACCCTTCTTAGGCTTGGTTCTGATGACAGTCCCTGTTTCATCTGTCCAGCATTACAGGGGCACAGGGA
 GTTACAATACCTGAGGTTGGCTTATTCCTATATAAGACAAGACCAATTTCTCAGAGCCTGTAAGGAAGC
 CATAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_175938

Insert Size: 1545 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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:	<ol style="list-style-type: none">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_175938.3 , NP_787952.2
RefSeq Size:	2983 bp
RefSeq ORF:	1545 bp
Locus ID:	238555
UniProt ID:	A4QPC6
Cytogenetics:	13 A3.1
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer 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.</p>