

Product datasheet for **SC331199**

BTN2A2 (NM_001197237) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: BTN2A2 (NM_001197237) Human Untagged Clone
Tag: Tag Free
Symbol: BTN2A2
Synonyms: BT2.2; BTF2; BTN2.2
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331199 representing NM_001197237.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGAACCAGCTGCTGCTCTGCACTTCTCCCTGCCAGCCTCCCTCCTCCTCCTGCTCCTCCTCCT
CTCAGCCTGTGTGCACTGGTCTCAGCCAGTTTACTGTCGTGGGGCCAGCTAATCCCATCCTGGCCATG
GTGGGAGAAAACACTACATTACGCTGCCATCTGTACCCGAGAAAAATGCTGAGGACATGGAGGTGCGG
TGGTCCGGTCTCAGTTCTCCCCGCAGTGTGGTGTATAAGGGTGGGAGAGAGAGAACAGAGGAGCAG
ATGGAGGAGTACCGGGAAGAATCACCTTTGTGAGCAAAGACATCAACAGGGGCAGCGTGGCCCTGGTC
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GAGGCCATCCTACGCCTCGTGGTGGCAGGCCTTGGGTCTAAGCCCTCATTGAAATCAAGGCCCAAGAG
GATGGGAGCATCTGGCTGGAGTGCATATCTGGAGGGTGGTACCCAGAGCCCTCACAGTGTGGAGGGAC
CCCTACGGTGGAGTTGTGCCCGCCTGAAGGAGGTTTCCATCGCTGATGCTGACGGCCTCTTCATGGTC
ACCACAGCTGTGATCATCAGAGACAAGTATGTGAGGAATGTGCTCTGCTGTCAACAACACCCTGCTC
GGCCAGGAGAAGGAACTGTCAATTTTATCCAGAATCCTTTATGCCAGCGCATCTCCCTGGATGGTG
GCCCTAGCTGTATCCTGACCGCATCTCCCTGGATGGTGTCCATGACTGTATCCTGGCTGTTTTTCATC
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CGGAGAAGTGTGAGGCGGGGCCCTACAGGCAGAGAGTGCCTGACAACCCAGAGAGATTCGACAGTCAG
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CCTTTGAAGGAGTCCCTTTCGGGGTGGGCGTCTTCTGGACTATGAAGCTGGAGATGTCTCCTTCTAC
AACATGAGGGACAGATCGACATCTACACATGTCCCGTTCAGCCTTACTGTGCCTGTGAGGCCCTTC
TTCAGGTTAGGGTCTGATGACAGCCCCATCTTCATCTGCCCTGCACTCACAGGAGCCAGTGGGGTCATG
GTGCTGAAGAGGGCCTGAACTTACAGAGTGGGGACCCACCAGAGCCTATAG
  
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Restriction Sites: SgfI-MluI
ACCN: NM_001197237
Insert Size: 1572 bp



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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:	<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:	<u>NM_001197237.1</u>
RefSeq Size:	3621 bp
RefSeq ORF:	1572 bp
Locus ID:	10385
UniProt ID:	<u>Q8WV5</u>
Cytogenetics:	6p22.2
Protein Families:	Druggable Genome, Transmembrane
MW:	59.1 kDa
Gene Summary:	<p>Butyrophilin is the major protein associated with fat droplets in the milk. This gene is a member of the BTN2 subfamily of genes, which encode proteins belonging to the butyrophilin protein family. The gene is located in a cluster on chromosome 6, consisting of seven genes belonging to the expanding B7/butyrophilin-like group, a subset of the immunoglobulin gene superfamily. The encoded protein is a type I receptor glycoprotein involved in lipid, fatty-acid and sterol metabolism. Several alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2010]</p> <p>Transcript Variant: This variant (3) has an alternate 5' UTR exon and encodes the same longest isoform (a) compared to variant 1.</p>