

Product datasheet for **SC303060**

BTN1A1 (NM_001732) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BTN1A1 (NM_001732) Human Untagged Clone
Tag:	Tag Free
Symbol:	BTN1A1
Synonyms:	BT; BTN; BTN1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_001732 edited
CTGCTCCAGAAGGGTGGGAGATGGCAGTTTTCCCAAGCTCCGGTCTCCCCAGATGTCTGC
TCACCCTCATTCTCTCCAGCTGCCAAACTGGATTACAGTCCCTTTGACGTGATTGGAC
CCCCGGAGCCCATCTGGCCGTTGTGGGTGAGGACGCCGAGCTGCCCTGTGCGCTGTCCC
CGAACGCGAGCGCCGAGCACTTGGAGCTACGCTGGTCCGAAAGAAGTTTCGCCGGCCG
TGCTGGTGCATAGGGACGGGCGGAGCAGGAAGCCGAGCAGTACCCGAGTACCCGGGGC
GGCGACGCTGGTCCAGGACGGCATCGCCAAGGGGCGCGTGGCCTTGAGGATCCGTGGCG
TCAGAGTCTCTGACGACGGGAGTACACGTGCTTTTTTCAGGGAGGATGGAAGCTACGAAG
AAGCCCTGGTGCATCTGAAGGTGGCTGCTGGGCTCTGACCCTCACATCAGTATGCAAG
TTCAAGAGAATGGAGAACTGTCTGGAGTGCACCTCAGTGGGATGGTACCCAGAGCCCC
AGGTGCAGTGGAGAACTCCAAGGGAGAGAAGTTCCATCTACATCAGAGTCCAGGAATC
CTGATGAAGAAGTTTGTCACTGTGGCTGCTTCACTGATCATCAGAGACTTCTACGA
AAAATGTGTCCTGTACATCCAGAATCTCCTTCTGGACAGGAGAAGAAAGTAGAAATAT
CCATACCAGTTCCTCCCTCCCAAGGCTGACTCCCTGGATAGTGGCTGTGGCTGCATCC
TGATGGTTCTAGGACTTCTACCATTGGGTCCATATTTTTCACTTGGAGACTATAACAACG
AAAGACCCAGAGAGAGGAGGAATGAATTCAGCTCTAAAGAGAGACTCCTGGAAGAACTCA
AATGGA AAAAGGCTACCTTGCATGCAGTTGATGTGACTCTGGACCCAGACACAGCTCATC
CCCACCTCTTTCTTATGAGGATTCAAAATCTGTTTCGACTGGAAGATTACGTCAGAAAAC
TGCTGAGAAAACAGAGAGATTTGACTCCTGGCCCTGTGTGTTGGGCCGTGAGACCTTCA
CCTCAGGAAGGCATTACTGGGAGGTGGAGGTGGGAGACAGGACTGACTGGGCAATCGGGC
TGTGTAGGGAGAATGTGATGAAGAAAGGATTTGACCCATGACTCCTGAGAATGGTTCT
GGGCTGTAGAGTTGTATGAAAATGGGTACTGGGCCCTCACTCCTCTCCGGACCCCTCTCC
CATTGGCAGGGCCCCACGCGGGTTGGGATTTTCTAGACTATGAATCAGGAGACATCT
CCTTCTACAACATGAATGATGGATCTGATATCTATACTTTCTCCAATGTCACTTTCTCTG
GCCCCCTCCGGCCCTTCTTTGCTATGGTCTAGCGGTAAAAAGCCCTGACCATCTGCC
CAATTGCTGATGGGCTGAGAGGGTACAGTCATTGCTAATGCCAGGACCTTTCTAAGG
AGATCCCATTGTCCCCATGGGGGAGGAGTCTGCCCTAGGGATGCAGACTCTCCATT
CTAAGCTAATCCCTACCCAACCCAGCCAAGGGCACCTTAAGGAATATCTCAGCTCATCT
GTTTTCTTTCTCTAACCCTCTCCTCCATAGCCTTCTGAGGCTTACCTGCTAGCTTT
ACCCAGTCTGTTTCTTCTGTTGGGTGGCAATTAATTAATCCTGTGAAGGTTACATTGCT
GCTGCTAGAGAGGGTGGGGATTGCACCTTCCAAATCTGTTTCTGTACCAATATTTGGGG
ATGGAGGGGTGACTCAAACCTGCTTCTAGTGTTCCTAATCCCTTAAGACTAGAACCTAT
AGGAAACTACTTGGAGCAAACCTCAAAGGACAGATTAGGGATCGAGATTGGGTGAGTTAG
CATGGGGTTGTGGTTGAAATATCTTGGTATCCAGGATAAGGGTATGTGGAAAAACAGGCT
TTAGGCAAGTGGAAAAATCAAAATGTGCTGTGAAAGGACAATCTCAGGCTGAAATCCCAT
AAAGGAACTTGGAGGGAATATTATGATGGAGGGAAGTGAGGTGAATCCAGGCACATGATG
AACCTGGCTCATCCATAGAGTTTTACAGCCTATATCGCAAATTTCTAAGCCACGTC
CTATAGGACAGAGGAGACTGGCCCCACTTCTATGGTCTGAGCTGTGAAAAGGGAGAGC
AGAGAGGAACTGAGATGAGCAGGGATGAAGGGTCAGGCAGAAAGCGTGATAGAGGAGAGA
ATTTTTGACAAAACCTCAAAGTTGTTTGACAGCTGTTCTTTGTACCCTGTTCTTTCTC
TGCGCCCTCTGTTTCTCCCT
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_001732 unedited NNNNNNGGGGAAGTTTCATTTTTGTNATACGACTCATATAGGCGGCCGCGNATTCAGATCT GGTACCGATATCAAGCTTGGTACCGAGCTCGGATCCACTAGTAACGGCCGCCAGTGTGCT GGAATTCGCCCTTACCCTGCTCCAGAAGGTGGGAGATGGCAGTTTTCCCAAGCTCCGGT CTCCCCAGATGTCTGCTACCCTCATTCTCCTCCAGCTGCCAAACTGGATTCAGTCCC TTTGACGTGATTGGACCCCCGGAGCCATCCTGGCCGTTGTGGTGAGGACGCCGAGCTG CCCTGTGCGCTGTCCCCGAACGCGAGCGCCGAGCACTTGGAGCTACGCTGGTTCCGAAAG AAGGTTTCGCGCGCCGTGCTGGTGCATAGGGACGGCGCGAGCAGGAAGCCGAGCAGATG CCCGAGTACCGCGGGCGGGCAGCTGGTCCAGGACGGCATCGCCAAGGGCGCGTGGCC TTGAGGATCCGTGGCGTCAGAGTCTCTGACGACGGGGAGTACACGTGCTTTTTCAGGGAG GATGGAAGCTACGAAGAAGCCCTGGTGCATCTGAAGGTGGCTGCTCTGGGCTCTGACCCT CACATCAGTATGCAAGTTCAAGAGATGGAGAAATCTGTCTGGAGTGCACCTCAGTGGGAT GGTACCCAGAGCCCCAGTGCAGTGGAGAACTCCAGGGAGAGAAGTTCCATCTACAT CAGAGTCCAGGATCCTGATGAAGAAGTTTGTACTNGTGTCTTCCAGTGATCATCA GAGACACTTCTACGAAAATGTGCTCTGCTACATCCAGAATCTCCTTCTTGACAGAGAAG AAAGTAGAATATCCCTACCAA
Restriction Sites:	Please inquire
ACCN:	NM_001732
Insert Size:	2400 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:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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_001732.1 , NP_001723.1
RefSeq Size:	2901 bp
RefSeq ORF:	1581 bp
Locus ID:	696
UniProt ID:	Q13410
Cytogenetics:	6p22.2

Protein Families: Druggable Genome, Transmembrane

Gene Summary: Butyrophilin is the major protein associated with fat droplets in the milk. It is a member of the immunoglobulin superfamily. It may have a cell surface receptor function. The human butyrophilin gene is localized in the major histocompatibility complex (MHC) class I region of 6p and may have arisen relatively recently in evolution by the shuffling of exons between 2 ancestral gene families [provided by RefSeq, Jul 2008]