

Product datasheet for **SC304682**

BTNL2 (NM_019602) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BTNL2 (NM_019602) Human Untagged Clone
Tag:	Tag Free
Symbol:	BTNL2
Synonyms:	BTL-II; BTN7; HSBLMHC1; SS2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_019602 edited
 ATGGTGGATTTTCCAGGCTACAATCTGTCTGGTGCAGTCGCCTCTTCTTATTCATCCTG
 CTGACAATGAAGCAGTCAGAAGACTTTAGAGTCATTGGCCCTGCTCATCCTATCCTGGCC
 GGGTTGGGAAGATGCCCTGTTAACCTGCCAGCTACTCCCAAGAGACCACAATGCAC
 GTGGAGGTGAGGTGGTACCGCTCAGAGCCAGCACACCTGTGTTTGTGCACAGGGATGGA
 GTGGAGGTGACTGAGATGCAGATGGAGGAGTACAGAGGCTGGGTAGAGTGGATAGAGAAT
 GGCATTGCAAAGGGAAATGTGGCACTGAAGATACACAACATCCAGCCCTCCGACAATGGA
 CAATACTGGTGCCATTTCCAGGATGGGAACTACTGTGGAGAAACAAGCTTGCTGCTCAA
 GTAGCAGGTCTGGGGTCTGCCCCTAGCATCCACATGGAGGGACCTGGGGAGAGTGGAGTC
 CAGCTTGTGTGCACTGCAAGGGGCTGGTCCCAGAGCCCCAGGTGTATTGGGAAGACATC
 CGGGGAGAGAAGCTGCTGGCCGTGTCTGAGCATCGCATCCAAGATAAAGATGGCCTGTT
 TATGCGGAAGCCACCCTGGTGGTCAGGAACGCCTCTGCAGAGTCTGTGTCCTGCTTGGTC
 CACAACCCCGTCCCTCACTGAGGAGAAGGGTTCGGTCATCAGCCTCCCAGAGAAATCCAG
 ACTGAGCTGGCTTCTTTAAAAGTGAATGGACCTTCCCAGCCCATCCTCGTCAGAGTGGGA
 GAAGATATACAGCTAACCTGTTACCTGTCCCCAAGGCGAATGCACAGAGCATGGAGGTG
 AGGTGGGACCGATCCCACCGTTACCCTGCTGTGCATGTGTATATGGATGGGGACCATGTG
 GCTGGAGAGCAGATGGCAGAGTACAGAGGGAGGACTGTACTGGTGAAGTGAAGGTGTAAGT
 GAGGGCAGACTGACCCTGCAGATACTCAGTGCCAGACCTTCGGACGACGGGCAGTACCGC
 TGCCTTTTTGAAAAGATGATGTCTACCAGGAGGCCAGTTGGATCTGAAGGTGGTAAGT
 CTGGGTTCTTCCCCTGATCACTGTGGAGGGCAAGAAGATGGAGAAATGCAGCCGATG
 TGCTCTTCAGATGGGTGGTTCCACAGCCCCACGTGCCATGGAGGGACATGGAAGGAAAG
 ACGATACCATCATCTTCCAGGCCCTGACTCAAGGCAGCCACGGGCTGTTCCACGTGCAG
 ACATTGCTAAGGGTCACAAACATCTCCGCTGTGGACGTCACTTGTCCATCAGCATCCCC
 TTTTTGGGCGAGGAGAAAATCGCAACTTTTTCTCTCAGGTTGGTGA

Restriction Sites: Please inquire



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ACCN:	NM_019602
Insert Size:	1400 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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_019602.1</u> , <u>NP_062548.1</u>
RefSeq Size:	1368 bp
RefSeq ORF:	1368 bp
Locus ID:	56244
Cytogenetics:	6p21.32
Protein Families:	Druggable Genome, Secreted Protein
Gene Summary:	This gene encodes a major histocompatibility complex, class II associated, type I transmembrane protein which belongs to the butyrophilin-like B7 family of immunoregulators. It is thought to be involved in immune surveillance, serving as a negative T-cell regulator by decreasing T-cell proliferation and cytokine release. The encoded protein contains an N-terminal signal peptide, two pairs of immunoglobulin-like domains, separated by a heptad peptide sequence, and a C-terminal transmembrane domain. Naturally occurring mutations in this gene are associated with sarcoidosis, rheumatoid arthritis, ulcerative colitis, inflammatory bowel disease, myositis, type 1 diabetes, systemic lupus erythematosus, acute coronary syndrome, and prostate cancer. [provided by RefSeq, May 2017]