

Product datasheet for SC326938

BTNL8 (NM_001159709) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BTNL8 (NM_001159709) Human Untagged Clone
Tag:	Tag Free
Symbol:	BTNL8
Synonyms:	BTN9.2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC326938 representing NM_001159709. Blue=Insert sequence Red=Cloning site Green=Tag(s)

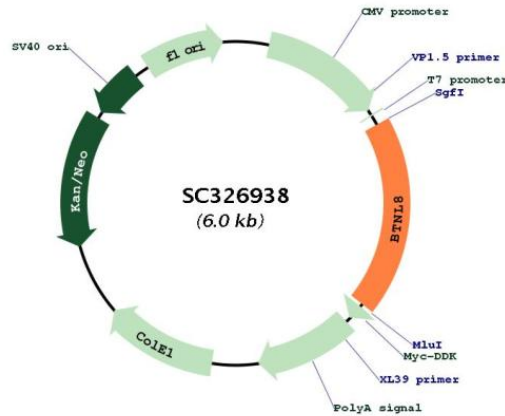
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GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
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GACATCCAGTACTCTGTGAGTCTCGGGCTGGTTCCCGCGCCACAGCGAAGTGAAAGGTCCACAA
GGACAGGATTTGTCCACAGACTCCAGGACAAACAGAGACATGCATGGCCTGTTTGTGATGGAGATCTCT
CTGACCGTCCAAGAGAACGCCGGGAGCATATCCTGTTCCATGCCGATGCTCATCTGAGCCGAGAGGTG
GAATCCAGGTACAGATAGGAGATACCTTTTTTCGAGCCTATATCGTGGCACCTGGCTACCAAAGTACTG
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GTCCTCAGACTGAATGGAGAATTTGTATTTACATTAATCCCGTTTTATCAGCGTCTTCCCGAGG
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GACCACTCCCTTATTTATACCTGACATGTCGGTTTGAAGGCTTATTGAGGCCATACATTGAGTATCCG
TCTATAATGAGCAAAATGGAAGTCCCATAGTCACTGCCAGTCAAGGAAATCAGAGAAAGAGGCC
TCTTGGCAAAGGGCCTCTGCAATCCAGAGACAAGCAACAGTGAAGTCTCTCCTCACAGGCAACCACGCC
TTCCTCCCGAGGGTGAATGTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:



ACCN: NM_001159709

Insert Size: 1128 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:

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_001159709.1](#)

RefSeq Size: 1812 bp

RefSeq ORF: 1128 bp

Locus ID: 79908

UniProt ID: [Q6UX41](#)

Cytogenetics: 5q35.3

Protein Families: Druggable Genome, Transmembrane

MW: 42.9 kDa

Gene Summary: May stimulate primary immune response. Acts on T-cell stimulated sub-optimally through the TCR/CD3 complex stimulating their proliferation and cytokine production.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (5) contains an alternate in-frame exon in the 5' coding region and uses an alternate start codon compared to variant 1. This variant (5) also uses an alternate splice site in the middle portion of the coding region compared to variant 1, that results in a frameshift. It encodes isoform 5, which is longer and has a distinct C-terminus compared to isoform 1.