

## Product datasheet for **RC228867**

### **BTNL8 (NM\_001159707) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	BTNL8 (NM_001159707) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BTNL8
Synonyms:	BTN9.2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC228867 representing NM_001159707 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCTCTCATGCTCAGTTTGGTTCTGAGTCTCCTCAAGCTGGGATCAGCACTGGGCTCAGTTCCTCTCA  
TTCCATCGCGGATATGTTGATAGAGACATCCAGCTACTCTGTCAGTCTCGGGCTGGTCCCCCGGCC  
CACAGCGAAGTGGAAAGTCCACAAGGACAGGATTTGTCCACAGACTCCAGGACAACAGAGACATGCAT  
GGCCTGTTTGATGTGGAGATCTCTGACCGTCCAAGAGAACGCCGGGAGCATATCCTGTTCCATGCGGC  
ATGCTCATCTGAGCCGAGAGGTGGAATCCAGGGTACAGATAGGAGATACCTTTTTCAAGCCTATATCATG  
GCACCTGGCTACCAAAGTACTGGGAATACTCTGCTGTGGCCTATTTTTGGCATTGTTGGACTGAAGATT  
TTCTTCTCCAAATTCAGTGGAAAATCCAGGCGGAACTGGACTGGAGAAGAAAGCACGGACAGGCAGAAT  
TGAGAGACGCCCGAAACACGCAGTGGAGGTGACTCTGGATCCAGAGACGGCTCACCCGAAGCTCTGCGT  
TTCTGATCTGAAAAGTGAACCGAGAGAAAAGCTCCCCAGGAGGTGCCTCACTCTGAGAAGAGATTTACA  
AGGAAGAGTGTGGTGGCTTCTCAGAGTTCCAAGCAGGAAACATTACTGGGAGGTGGACGGAGGACACA  
ATAAAAGGTGGCGGTGGGAGTGTCCGGGATGATGTGGACAGGAGGAAGGAGTACGTGACTTTGTCTCC  
CGATCATGGGTACTGGGTCTCAGACTGAATGGAGAACATTTGTATTTACATTAATCCCGTTTTATC  
AGCGTCTTCCCCAGGACCCACCTACAAAAATAGGGTCTTCTGGACTATGAGTGTGGACCATCTCCT  
TCTTCAACATAAATGACCAGTCCCTATTTACACCCTGACATGTCGGTTTGAAGGCTTATTGAGGCCCTA  
CATTGAGTATCCGTCTATAATGAGCAAAATGGAATCCCATAGTCATCTGCCAGTCACCCAGGAATCA  
GAGAAAGAGGCCCTTTGGCAAAGGGCTCTACAATCCCAGAGACAAGCAACAGTGTGCTCCTCACAGG  
CAACCACGCCCTCCTCCCCAGGGTGAATG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC228867 representing NM\_001159707  
 Red=Cloning site Green=Tags(s)

MALMLSLVLSLLKLGSA LGSVPLIS IAGYVDRDIQLLCQSSGWFPRPTAKWKGPQGQDLSTDSRTNRDMH  
 GLFDVEISLTVQENAGSISCSMRHAHL SREVSRVQIGDFFKPI SWHLATKVLGILCCGLFFGIVGLKI  
 FFSKFQWKIQAE LDWRRKHGQAE LRDARKH AVEVTLDPETAHPKLCVSDLKTVTERKAPQEVPHSEKRF T  
 RKS VVASQSFQAGKHYWEVDGGHNKRWRVGVCRDDVDRRKEYVTLSPDHGYWVLRNLNGEHL YFTLNPRFI  
 SVFPRTPPTKIGVFLDYECGTISFFNINDQSLIYTLTCRFEGLLRPYIEYPSYNEQNGTPIVICPVTQES  
 EKEASWQRASTIPETSNSSESSQATTPFLPRGEM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

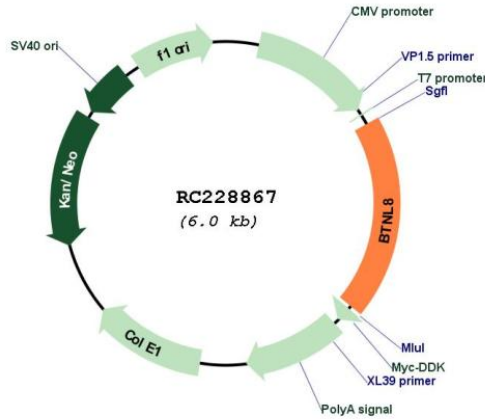
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001159707

<b>ORF Size:</b>	1152 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001159707.1</a> , <a href="#">NP_001153179.1</a>
<b>RefSeq ORF:</b>	1155 bp
<b>Locus ID:</b>	79908
<b>UniProt ID:</b>	<a href="#">Q6UX41</a>
<b>Cytogenetics:</b>	5q35.3
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>MW:</b>	43.4 kDa
<b>Gene Summary:</b>	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]