

Product datasheet for **RG228303**

BTNL8 (NM_001159709) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BTNL8 (NM_001159709) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BTNL8
Synonyms:	BTN9.2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG228303 representing NM_001159709 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGGACATGGTTTGTCAAATCACTGGGCTCAGTTCCTCTCATTTCCATCACGGGATATGTTGATAGAG
ACATCCAGCTACTCTGTCACTCCTCGGGCTGGTCCCCCGGCCACAGCGAAGTGGAAAGGTCCACAAGG
ACAGGATTTGTCCACAGACTCCAGGACAAACAGAGACATGCATGGCCTGTTTGATGTGGAGATCTCTCTG
ACCGTCCAAGAGAACGCCGGGAGCATATCCTGTTCCATGCGGCATGCTCATCTGAGCCGAGAGGTGGAAT
CCAGGGTACAGATAGGAGATACCTTTTTCGAGCCTATATCGTGGCACCTGGCTACCAAAGTACTGGGAAT
ACTCTGCTGTGGCCTATTTTTTGGCATTGTTGGACTGAAGATTTCTTCTCCAAATTCAGTGGAAAATC
CAGGCGGAACTGGACTGGAGAAGAAAGCACGGACAGGCAGAATTGAGAGACGCCCGAAAACAGCAGTGG
AGGTGACTCTGGATCCAGAGACGGCTCACCCGAAGCTCTGCGTTTCTGATCTGAAAATGTAACCCATAG
AAAAGTCCCCAGGAGGTGCCTCACTCTGAGAAGAGATTTACAAGGAAGAGTGTGGTGGCTTCTCAGAGT
TTCCAAGCAGGAAACATTACTGGGAGGTGGACGGAGGACACAATAAAAGGTGGCGGTGGGAGTGTGCC
GGGATGATGTGGACAGGAGGAAGGAGTACGTGACTTTGTCTCCCGATCATGGGTACTGGTCTCAGACT
GAATGGAGAACATTTGTATTTACATTAATCCCCGTTTTATCAGCGTCTCCCCAGGACCCACCTACA
AAAATAGGGGTCTTCTGGACTATGAGTGTGGACCATCTCCTTCTTCAACATAAATGACCAGTCCCTTA
TTTATACCCTGACATGTCGGTTTGAAGGCTTATTGAGGCCATACATTGAGTATCCGTCTATAATGAGCA
AAATGAACTCCCATAGTCATCTGCCAGTCACCCAGGAATCAGAGAAAGAGGCCTTTGGCAAAGGGCC
TCTGCAATCCCAGAGACAAGCAACAGTGAAGTCTCCTCACAGGCAACCACGCCCTTCTCCCCAGGGGTG
AAATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG228303 representing NM_001159709
 Red=Cloning site Green=Tags(s)

MWTWFKSLGSVPLISITGYVDRDIQLLCQSSGWFPFRPTAKWKGPPQGDLDSTDSRTNRDMHGLFDVEISL
 TVQENAGSISCSMRHAHL SREVESRVQIGDTFFEPISWHLATKVLGILCCGLFFGIVGLKIFFSKFQWKI
 QAELDWRKRKHGQAEALDARKHAVEVTLDPETAHPKLCVSDLKTVTHRKAQEVPHSEKRFTRKSVVASQS
 FQAGKHYWEVDGGHNKRWRVGVCRDDVDRRKEYVTLSPDHGYWVLRNLNGEHL YFTLNPRFISVFPRTPT
 KIGVFLDYECGTISFFNIHQSLIYTLTCRFEGLLRPYIEYPSYNEQNGTPIVICPVYQESEKEASWQRA
 SAIPETSNSSESSQATTPFLPRGEM

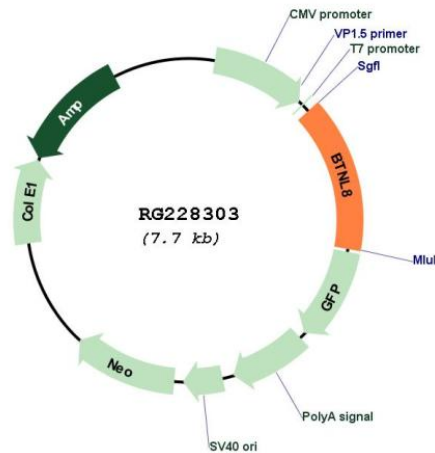
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001159709

ORF Size:	1125 bp
OTI Disclaimer:	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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001159709.1 , NP_001153181.1
RefSeq Size:	1812 bp
RefSeq ORF:	1128 bp
Locus ID:	79908
UniProt ID:	Q6UX41
Cytogenetics:	5q35.3
Protein Families:	Druggable Genome, Transmembrane
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]