

Product datasheet for **RG228270**

BTNL8 (NM_001159708) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: BTNL8 (NM_001159708) 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: >RG228270 representing NM_001159708
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTCATGCTCAGTTTGGTTCTGAGTCTCCTCAAGCTGGGATCAGGGCAGTGGCAGGTGTTGGGC
CAGACAAGCCTGTCCAGGCCTTGGTGGGGAGGACGCAGCATTCTCTGTTTCTGTCTCCTAAGACCAA
TGCAGAGGCCATGGAAGTGGGTTCTTCAGGGCCAGTCTCTAGCGTGGTCCACCTCTACAGGGACGGG
AAGGACCAGCCATTTATGCAGATGCCACAGTATCAAGGCAGGACAAAACCTGGTGAAGGATTCTATTGCGG
AGGGGCGCATCTCTGAGGCTGGAACACTTACTGTGTTGGATGCTGGCCTCTATGGGTGCAGGATTAG
TTCCCAGTCTTACTACCAGAAGGCCATCTGGGAGCTACAGGTGTCAGCACTGGGCTCAGTTCCTCTCATT
TCCATCACGGGATATGTTGATAGAGACATCCAGCTACTCTGTCTGCTCCTCGGGCTGGTCCCGCGCCCA
CAGCGAAGTGGAAAGGTCCACAAGGACAGGATTTGTCCACAGACTCCAGGACAAACAGAGACATGCATGG
CCTGTTTGTGATGTGGAGATCTCTGACCGTCCAAGAGAACGCCGGGAGCATATCCTGTTCCATGCGGCAT
GCTCATCTGAGCCGAGAGGTGGAATCCAGGACAGATAGGAGATACCTTTTTCGAGCCTATATCGTGCC
ACCTGGTACCAAAGTACTGGGAATACTCTGCTGTGGCCTATTTTTGGCATTGTTGGACTGAAGATTTT
CTTCTCCAAATTCAGTGTAAAGCGAGAGAGAGAAGCATGGGCCGTGCCTTATTCATGGTCCAGCAGGG
ACAGATCAGAGATGCTCCACATCCAGCTGCTTCTTCTTAGTCCTAGCCTCCAGGGGCCAGGCC
CAAAAAAAGTGGAGAAGAAAGCACGGACAGGCAGAATTGAGAGACGCCCGAAACACGCAGTGGAGGTGA
CTCTGGATCCAGAGACGGCTCACCCGAAGCTCTGCGTTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG228270 representing NM_001159708
 Red=Cloning site Green=Tags(s)

MALMLSLVLSLLKLGSGQWQVFGPDKPVQALVGEDAAFSCFLSPKTNAEAMEVRFRRGQFSSVVHLYRDG
 KDQPFMQMPQYQGRKLVKDSIAEGRISLRLENITVLDAGLYGCRISQSYQKAIWELQVSALGSVPLI
 SITGYVDRDIQLLCQSSGWFPRTAKWKGPQGDLSTDSRTNRDMHGLFDVEISLTVQENAGSISCSMRH
 AHL SREVESRVQIGDTFFEPISWHLATKVLGILCCGLFFGIVGLKIFFSKFQCKREREAWAGALFMVPAG
 TGSEMLPHPAASLLLVLASRGP GPKKLEKKARTGRIERRPETRSGD SGRDGSPEALRF

TRTRPLE - GFP Tag - V

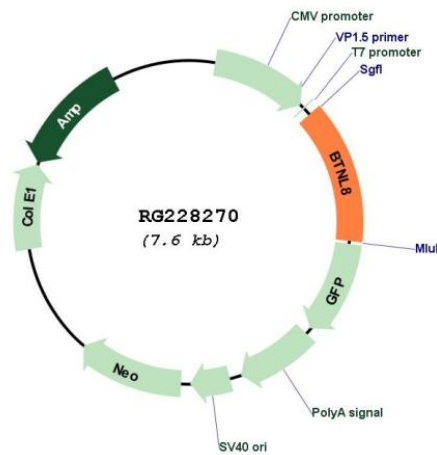
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001159708

ORF Size: 1020 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_001159708.1 , NP_001153180.1
RefSeq Size:	2218 bp
RefSeq ORF:	1023 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]