

Product datasheet for **RR205257**

Btla (NM_213630) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Btla (NM_213630) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Btla
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR205257 representing NM_213630 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGACAGTGCCTGCCATGCTTGTCACTCCCGGTCCTTTAGGAATCTTCATCCTTCTTCTGGGCC
TCTGGAGCATCCTTTGTAAGGAACCTACTAAGAGGATCGGTGAAGAATGCAGAGTGCAACTTAAAAATTAA
GAGGAATTCTAGCCGCTCTGCCTGGACAGGAGAGTTATTTAAAAATGAATGTCCTGTGACATACTGTGT
CACAGACCTAATGTGACTTGGTGTAAAGCACAATGGAACAAGATGTGTACCCCTTGAGGTTGGACCCAGC
TGACACTAGTTGGGTTGAAAATGACCAGGCTTCAGCTTTTGTCTCTATTTTGAACCAATACATCTCAG
TGATGACGGGTATATACCTGTTCTGCGAACTTGAATTCTGAGGTTATTAATAGCCACTCAGTAGTCATC
CATGTGACAGAAAGGACTCAAACTGTTCAGAACCCTCTAATAACAGCATCTGACATCCAGATGCTA
CCAATGCCTCACGACCATCTACCATGGAAGAGAGGCCAGGCAGGACCTGGCTGCTTACGCCTTGCCTCC
CTTGGGGACATCGCTTCTGCTCCTTGCCTGTGTCTGCCTGCTCTGCTTTCTGAGAAGGATCCAAGGGAAA
GAAAAGAAGCCTTCTGACTTAGCAGGAAGAGAAAGGAACTAACTGGTTGATATTCCAGTGAGTTCCA
GGACAACTCCAAATACTGACATCAGAACTGGAATTTATGACAATGACCCCTGGTCCAGTAGGCTGGG
AGAATCTGAATCAACCATTAGCTACAATTGGAGGGAAACAAACAGGGCATTGTTTATGCCTCTCTGAAC
CATTGTGTTATTGGAAGGACCCCAAGACAGGCAAGCAAGATTCAGGAGGCACCCACAGAATATGCATCCA
TTTGTGTGAGAAGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR205257 representing NM_213630
Red=Cloning site Green=Tags(s)

MKTVPAMLVTPRSFREFFILLGLWSILCKEPTKRIGEECRVQLKIKRNSRSAWTGELFKIECPVTCV
 HRPNVTWCKHNGTRCVPLEVGSQLHTSWVENDQASAVLYFEP IHL SDDGVYTCSANLNSEVINSHSVVI
 HVTERTQNCSEHPLITASDIPDATNASRPSTMEERPGRWLLYALLPLGTSLLLLACVCLLCFLRRIQ GK
 EKKPSDLAGRERETNLVDIPVSSRTNSQILTSETGIYDNDPWSSRLGESESTISSQLEGNKQGIVYASLN
 HCVIGRTPRQASKIQEAPTEYASICVRS

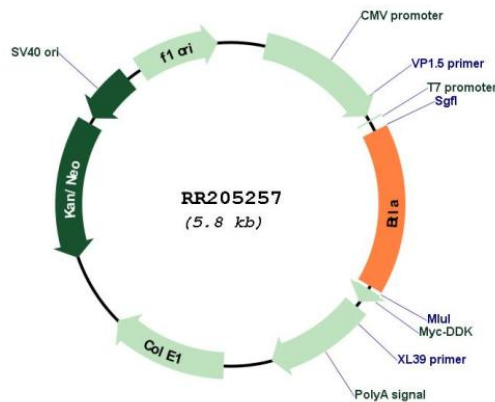
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_213630

ORF Size:	924 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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_213630.1 , NP_998795.1
RefSeq Size:	927 bp
RefSeq ORF:	927 bp
Locus ID:	407756
UniProt ID:	Q6PNM1
Cytogenetics:	11q21
MW:	34.5 kDa
Gene Summary:	<p>Inhibitory receptor on lymphocytes that negatively regulates antigen receptor signaling via PTPN6/SHP-1 and PTPN11/SHP-2. May interact in cis (on the same cell) or in trans (on other cells) with TNFRSF14. In cis interactions, appears to play an immune regulatory role inhibiting in trans interactions in naive T cells to maintain a resting state. In trans interactions, can predominate during adaptive immune response to provide survival signals to effector T cells. [UniProtKB/Swiss-Prot Function]</p>