

## Product datasheet for **RN205257**

### **Btla (NM\_213630) Rat Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Btla (NM_213630) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Btla
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN205257 representing NM_213630 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAGACAGTGCCTGCCATGCTTGCTACTCCCCGGTCTTTAGGGAATCTTCATCCTTCTTCTGGGCC  
TCTGGAGCATCCTTTGTAAGGAACCTACTAAGAGGATCGGTGAAGAATGCAGAGTGCAACTTAAATTA  
GAGGAATCTAGCCGCTCTGCCGACAGGAGAGTTATTTAAATGAATGTCCTGTGACATACTGTGT  
CACAGACCTAATGTGACTTGGTGAAGCACAATGGAACAAGATGTGTACCCCTTGAGGTTGGACCCGAG  
TGCACACTAGTTGGTTGAAAATGACCAGGCTTCAGCTTTTGTCTCTATTTTGAACCAATACATCTCAG  
TGATGACGGGGTATATACTGTTCTGCGAACTGAATTCTGAGGTTATTAATAGCCACTCAGTAGTCATC  
CATGTGACAGAAAAGGACTCAAACTGTTTCAGAACCCCTTAATAACAGCATCTGACATCCAGATGCTA  
CCAATGCCTCACGACCATCTACCATGGAAGAGAGGCCAGGCAGGACCTGGCTGCTTACGCCTTGCTTCC  
CTTGGGGACATCGCTTCTGCTCCTTGCTGTGTCTGCCTGCTCTGCTTTCTGAGAAGGATCCAAGGGAAA  
GAAAAGAAGCCTTCTGACTTAGCAGGAAGAGAAAGGGAACTAATTGGTTGATATTCCAGTGAGTTCCA  
GGACAACTCCCAAATACTGACATCAGAACTGGAATTTATGACAATGACCCCTGGTCCAGTAGGCTGGG  
AGAATCTGAATCAACCATTAGCTCACAATTGGAGGGAAACAAACAGGGCATTGTTATGCCTCTCTGAAC  
CATTGTGTTATTGGAAGGACCCCAAGACAGGCAAGCAAGATTCAGGAGGCACCCACAGAATATGCATCCA  
TTTGTGTGAGAAGT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: [https://cdn.origene.com/chromatograms/ja2319\\_e02.zip](https://cdn.origene.com/chromatograms/ja2319_e02.zip)

Restriction Sites: SgfI-MluI

ACCN: NM\_213630



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<b>Insert Size:</b>	927 bp
<b>OTI Disclaimer:</b>	<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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> 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. <a href="#">More info</a></p>
<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_213630.1</a> , <a href="#">NP_998795.1</a>
<b>RefSeq Size:</b>	927 bp
<b>RefSeq ORF:</b>	927 bp
<b>Locus ID:</b>	407756
<b>UniProt ID:</b>	<a href="#">Q6PNM1</a>
<b>Cytogenetics:</b>	11q21
<b>Gene Summary:</b>	<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>