OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC212498

Btla (NM_177584) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Btla (NM_177584) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Btla
Synonyms:	A630002H24
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC212498 representing NM_177584
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAGACAGTGCCTGCCATGCTTGGGACTCCTCGGTTATTTAGGGAATTCTTCATCCTCCATCTGGGCC
TCTGGAGCATCCTTTGTGAGAAAGCTACTAAGAGGAATGATGAAGAGTGTCCAGTGCAACTTACTATTAC
GAGGAATTCCAAACAGTCTGCCAGGACAGGAGAGTTATTTAAAATTCAATGTCCTGTGAAATACTGTGTT
CATAGACCTAATGTGACTTGGTGTAAGCACAATGGAACAATCTGTGTACCCCTTGAGGTTAGCCCTCAGC
TATACACTAGTTGGGAAGAAAATCAATCAGTTCCGGTTTTTGTTCTCCACTTTAAACCAATACATCTCAG
TGATAATGGGTCGTATAGCTGTTCTACAAACTTCAATTCTCAAGTTATTAATAGCCATTCAGTAACCATC
CATGTGACAGAAAGGACTCAAAACTCTTCAGAACACCCACTAATAATATCTGACATCCCAGATGCCACCA
ATGCCTCAGGACCATCCACCATGGAAGAGAGGCCAGGCAGGACTTGGCTGCTTTACACCTTGCTTCCTTT
GGGGGCATTGCTTCTGCTCCTTGCCTGTGTCTGCCTGCTCTGCTTTCTGAAAAGGATCCAAGGGAAAGAA
AAGAAGCCTTCTGACTTGGCAGGAAGGGACACTAACCTGGTTGATATTCCAGCCAGTTCCAGGACAAATC
ACCAAGCACTGCCATCAGGAACTGGAATTTATGATAATGATCCCTGGTCTAGCATGCAGGATGAATCTGA
ATTGACAATTAGCTTGCAATCAGAGAGAAACAACCAGGGCATTGTTTATGCTTCTTTGAACCATTGTGTT
ATTGGAAGGAATCCAAGACAGGAAAACAACATGCAGGAGGCACCCACAGAATATGCATCCATTTGTGTGA
GAAGTTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites:	SgfI-MluI
ACCN:	NM_177584

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Insert Size:	918 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	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_177584.3, NP_808252.1
RefSeq Size:	3232 bp
RefSeq ORF:	918 bp
Locus ID:	208154
UniProt ID:	Q7TSA3
Cytogenetics:	16 B5
Gene Summary:	Inhibitory receptor on lymphocytes that negatively regulates antigen receptor signaling via PTPN6/SHP-1 and PTPN11/SHP-2 (PubMed:12796776, PubMed:14652006). May interact in cis (on the same cell) or in trans (on other cells) with TNFRSF14 (PubMed:19915044). 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 (PubMed:19915044). [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 3' coding region, compared to variant 1, resulting in a shorter protein (isoform 2).

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