

Product datasheet for MR222715

Ltb (NM_008518) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ltb (NM_008518) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ltb
Synonyms:	Al662801; LTbeta; p33; Tnfc; Tnfsf3; Tnlg1c
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR222715 representing NM_008518 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGACACGGGGACTGCAGGGCCTGGGTGGGAGACCCAGGGGAGGGGCTGCCTCTTGCTGGCTGTGG
CAGGAGCTACTTCCCTGGTGACCCTGTTGTTGGCAGTGCCTATCACTGTCCTGGCTGTGCTGGCCTTGGT
GCCGCAGGATCAGGGACGTCGGGTTGAGAAGATCATTGGCTCAGGAGCACAGGCTCAGAAAAGACTGGAT
GACAGCAAACCGTCGTGCATCTTGCCCTCACCTCTAGCCTCTCAGAGACTCCTGACCCCGTCTGCATC
CTCAGAGATCCAATGCTTCCAGGAATCTAGCCTCCACATCCCAGGGCCCTGTTGCGCAGTCTCTCGGGA
GGCATCTGCATGGATGACCATCCTGTCTCCAGCTGCGGATTCTACACCAGATCCAGGGGTTCAACAGCTG
CCAAAGGGGGAACCAGAACTGACCTCAACCTGAGCTCCCTGCTGCCACCTCATAGGCGCTTGGATGA
GTGGGCAAGGGCTCAGCTGGGAGGCGAGCCAAGAAGAAGCGTTTCTGAGGAGCGGCGCAGTTCTCCCC
CACCCACGGGCTGGCGCTGCCACAGGACGGCGTCTATTACCTCTACTGCCACGTCGGGTACAGGGGCAGG
ACGCCCCCTGCCGGCCGAAGCCGTGCTCGCTCGCTCACGCTGCGCAGCGCCCTGTACCGCGGGGGGGCG
CCTACGGGCGAGGTTCCCCGAGTTGCTGCTGGAGGGCGGGAGACAGTCACACCTGTTGTGACCCCAT
CGGGTACGGGTCGTTATGGTACACGAGCGTGGGTTTCGGCGCCCTGGCGCAGTCCCGAGCGGCGAGAGG
GTCTACGTTAACATCAGTCACCCGACATGGTGGACTACAGGAGAGGGAAGACCTTCTTCGGGGCGGTGA
TGGTGGGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR222715 representing NM_008518
Red=Cloning site Green=Tags(s)

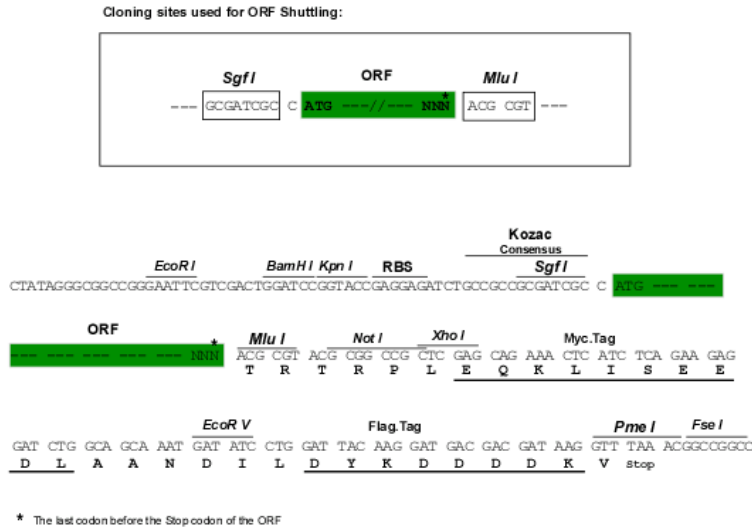
MGTRGLQGLGRRPQGRGCLLLAVAGATSLVTLVAVPITVLAFLALVPQDQRRVEKIIIGSGAQAQKRLD
 DSKPSCILPSPSSLSETPDPRLLHPQRSNASRNLASTSQGPVAQSSREASAWMTILSPAADSTDPDGVQQL
 PKGEPETDLNPELPAAHILIGAWMSGQGLSWEASQEEAFLRSGAQFSPHTGLALPQDGVVYLYCHVGYRGR
 TPPAGRSRARSLLRSALYRAGGAYGRGSPPELLLEGAETVTPVVDPIGYGLWYTSVGFGLAQLRSGER
 VYVNIHPDMVDYRRGKTFFGAVMVG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1852_h12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_008518

ORF Size: 918 bp

OTI Disclaimer: 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.

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:

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_008518.2](#), [NP_032544.1](#)

RefSeq Size: 1122 bp

RefSeq ORF: 921 bp

Locus ID: 16994

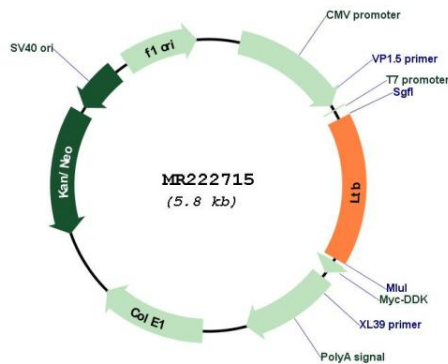
UniProt ID: [P41155](#)

Cytogenetics: 17 18.59 cM

MW: 32.8 kDa

Gene Summary: Cytokine that binds to LTBR/TNFRSF3. May play a specific role in immune response regulation. Provides the membrane anchor for the attachment of the heterotrimeric complex to the cell surface.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR222715