

Product datasheet for MC224058

Ltbp3 (NM_008520) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ltbp3 (NM_008520) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ltbp3
Synonyms:	Ltbp2; mFLJ00070
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224058 representing NM_008520 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGCCCGGGCCCCGAGGGGCTGCCACGGCCTGGCCCCCTGCGATGCGCCAGGCCGGGGCATTGGGGCTGC
TGGCACTACTCCTGCTGGCGTCTGGGCCCGCGCGGGGCCGAGGGTGGGCCGGCCGGCAGCGGGG
CACAGGGGGGGGGGGGCTGGCCCGCAACGCTTCAAGGTGGTCTTTCGCCAGTGATCTGCAAGCGG
ACCTGTCTGAAGGGCCAGTGTGGGACAGCTGTCAGCAGGGCTCCAACATGACGCTCATCGGAGAGAACG
GCCACAGCACCGACAGCTCACCGTTCTGGCTTCCGCGTGGTGGTGTGCCCTTACCCTGCATGAACGG
TGGCCAGTGCTCTTCCGAAACCAGTGCCTGTGTCCCCGGATTTACGGGGCGCTTCTGCCAGGTGCCT
GCTGCAGGAACCGGAGCTGGCACCGGAGTTACGGCCCCGGCCTGGCCCCGACCGGGGCCATGTCCACAG
GCCCCGCTGCCGCCCTTGCCCCAGAAGGAGAGTCTGTGGCTAGCAAACACGCCATTTACGCGGTGCAGGT
GATCGCAGATCCTCCCGGGCCGGGGAGGGTCTCCTGCACAACATGCAGCCTTCTTGGTGCCCCGGGG
CCAGGACAAATCTCGGCAGAAGTGCAGGCTCCGCCCCCGTGGTGAACGTGCGTGTCCATCACCTCCTG
AAGCTTCCGTTACAGTGCACCGCATCGAGGGCCGAACGCTGAAGGCCACGCTTCCCAGCATTTGCT
GCCGCATCCCAAGCCCCAGCACCCGAGGCCACCCACCCAAAAGCCACTGGGCCGCTGCTTCCAGGACACA
TTGCCAAGCAGCCTTGTGGCAGCAACCTTTGCCTGGCCTTACCAAGCAGGAAGATTGCTGCGGTAGCA
TCGGTACTGCCTGGGACAAAGCAAGTGTCAAGTGCCACAGCTTCAAGTATACAGGGGTGCAGAAAGCC
TGGACCTGTACGTGGGAGGTGGTGTGACTGCCCCAGGGCTACAAGAGGCTCAACAGCACCCACTGC
CAGGATATCAACGAATGTGCGATGCCTGGCATGTGTGCCATGGTACTGCCTCAACAACCTGGCTCTT
ATCGTGTGTCTGCCCGCCGGTCATAGCTTGGTCCCTCGCGCACAGTGCATTGCCGACAAACCAGA
GGAGAAGAGCCTGTGTTCCGCCTTGTGAGCACCGAACACAGTCCAGCACCTCTGACCACACGCTA
ACCGCCAGCTCTGCTGTGTAGTGTGGGTAAGCCTGGGGTGCCGGTGCCAGCGCTGCCCGGCAGATG
GTACAGCAGCCTTCAAGGAGATCTGCCCGCTGGGAAAGGGTACCATATCCTCACCTCCCACAGAGCT
CACCATCCAGGGGAAAGCGACTTCTCCCTTCTCTGCACCCGACGGGCCACCCAAACCCAGCAGCTT
CCTGAAAGCCCCAGCCGAGCACCACCCCTCGAGGACACAGAGGAAGAGAGGAGTGACCATGGATCCAC



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CAGTGAGTGAGGAGCGATCGGTGCAGCAGAGCCACCCACTACCACCACCTACCCCCCGGCCTACCC
 AGAGCTCATCTCTCGCCCCTCCCCACCTACCTCCACCGGTTCTGCCAGACTTGCCCCATCCCGAAGT
 GCAGTGGAGATCGCCCCACTCAGGTACAGAGACCGATGAGTGCCGATTGAACCAGAATATCTGTGGCC
 ATGGACAGTGTGTGCCTGGCCCCCGGATTACTCTGCCACTGCAACGCTGGCTACCGGTACACCCCGCA
 GCACCGCTACTGTGTTGATGTGAACGAGTGCAGGAGCAGCCCTGCGGCCCGGGAAAGGCATCTGTATG
 AACACTGGTGGCTCCTACAATTGCTACTGCAACCGAGGCTACCGCCTCCACGTGGGTGCAGGGGGCCGCT
 CGTGCGTGGACCTGAACGAGTGCACCAAGCCTCACCTGTGTGGGACGGTGGCTTCTGCATCAACTTCCC
 TGGTCACTACAAATGCAACTGCTATCCTGGCTACCGGCTCAAGGCCTCCGACCGCCATTGCGAAGAC
 ATCGACGAGTGTGCGGACCCTAGCACCTGCCCTGATGGCAAATGTGAAAACAAACCTGGCAGCTTCAAGT
 GCATCGCCTGCCAGCCTGGCTACCGTAGCCAGGGGGCGGGGCCTGTCGTGATGTCAACGAATGCTCCGA
 GGGTACCCCTGCTCTCTGGATGGTGTGAGAACCTTCCGGGTTCTTACCGTTGCACGTGTGCCAGGGA
 TACGAACCCGCACAGGACGGCCTCAGTTGCATAGACGTGGATGAGTGTGAGGCTGGGAAAGTGTGCCAAG
 ATGGCATCTGCACGAACACACAGGCTCTTCCAGTGTGAGTGCCTTCCGGCTATCATCTGTCAAGGGA
 TCGGAGCCGCTGTGAGGACATTGATGAATGTGACTTCCCTGCGGCCTGCATCGGGGTGACTGCATCAAT
 ACCAATGGTTCCTACAGATGTCTGTGCCCCAGGGTCATCGGTTGGTGGGCGGTAGGAAGTGCCAAGATA
 TAGATGAGTGCAGCCAGGACCCAGGCCTGTGCCTGCCCCACGGGGCTGCGAGAACCTCCAGGGCTCCTA
 TGTCTGTGCTGTGATGAGGGTTTCACACTCACCCAGGACCAGCATGGGTGTGAGGAGGTGGAGCAGCCC
 CACCACAAGAAGGAGTGTACCTTAACCTCGATGACACAGTGTCTGTGACAGCGTATTGGCTACCAATG
 TCACTCAGCAGGAATGCTGTTGCTCTCTGGGAGCTGGTTGGGAGACCCTGCGAAATCTATCCCTGTCC
 AGTCTACAGCTCAGCCGAATTTACAGCCTGTGTCCTGATGGGAAAGGCTACACTCAGGACAACAACATT
 GTGAACTATGGCATTCTGCCACCCTGACATCGACGAATGCATATTGTTGGGCGAGAGATCTGCAAGG
 AGGGCAAGTGTGTGAACACGCAGCCCGGCTACGAGTGTACTGCAAGCAGGGCTTCTACTACGATGGCAA
 CCTGCTGGAGTGGTGGACGTGGATGAGTGTGGATGAGTCTAACTGCAGGAACGGAGTGTGTGAGAAC
 ACACGTGGCGGCTACCGCTGTGCCTGCACGCCCGCGCAGAGTACAGTCCCGCACAGCGCCAGTGTCTGA
 GCCCGGAGGAGATGGAGCACGCCCCAGAGAGACGTGAAGTGTGCTGGGGCCAGCAGGAGAGGACGGCAT
 GTGATGGGGCCCTGGCGGGACCTGCCCTCACTTTTGTGACTGCTGCTGCCGCCAGGGCCCGGCTGG
 GGTACCCAGTGCAGACCGTGCACGCCACGTGGCACCAGGTCAGTGCACCGACTTACAGAGTGTGAGGCA
 ATTCATTCTGGGACACAAGCCCCCTGCTACTGGGAAAGTCTCCGCGAGACGAAGACAGCTCAGAGGAGGA
 TTCAGATGAGTCCGTTGTGTGAGCGGACGCTGTGTGCCACGGCCAGGCGGGGCGGTATGCGAGTGTCT
 GGAGGCTTTCAGCTGGACGCTCCCGTGCCTGCGTGGACATTGATGAGTGCCGAGAAGTGAACCAGC
 GGGGACTACTGTGTAAGAGCGAGCGGTGCGTGAACACCAGTGGATCCTTCCGCTGTGTCTGCAAAGCTGG
 CTTACGCGCAGCGCCCTCACGGGGCCTGCGTGCCTCAGCGCCCGCGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_008520

Insert Size:

3762 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_008520.2](#), [NP_032546.2](#)

RefSeq Size: 5209 bp

RefSeq ORF: 3762 bp

Locus ID: 16998

UniProt ID: [Q61810](#)

Cytogenetics: 19 4.34 cM

Gene Summary: Key regulator of transforming growth factor beta (TGFB1, TGFB2 and TGFB3) that controls TGF-beta activation by maintaining it in a latent state during storage in extracellular space. Associates specifically via disulfide bonds with the Latency-associated peptide (LAP), which is the regulatory chain of TGF-beta, and regulates integrin-dependent activation of TGF-beta. [UniProtKB/Swiss-Prot Function]