

Product datasheet for MR225521

Ltbp1 (NM_019919) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ltbp1 (NM_019919) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ltbp1
Synonyms:	9430031G15Rik; 9830146M04; b2b1000Clo; Ltbp-1; Ltbp1L; TGF-beta1-BP-1; Tgfb
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR225521 representing NM_019919 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

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Protein Sequence:

>MR225521 representing NM_019919
Red=Cloning site Green=Tags(s)

MAGAWLRWGLLLWAGLLAWSAHGRVRRITYVVRPGPLPAGALPLAGPPRTFNVALDARYSRSSSTAASSR
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9110_b05.zip

Restriction Sites:

Sgfl-Mlul

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_019919.4](#), [NP_064303.2](#)

RefSeq Size: 7455 bp

RefSeq ORF: 5139 bp

Locus ID: 268977

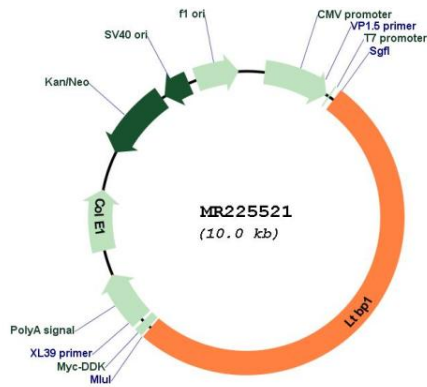
UniProt ID: [Q8CG19](#)

Cytogenetics: 17 E2

MW: 186.7 kDa

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. Outcompeted by LRRC32/GARP for binding to LAP regulatory chain of TGF-beta. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR225521