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Product datasheet for MR211964

Ltbp1 (NM_206958) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ltbp1 (NM_206958) 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:

>MR211964 representing NM_206958
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

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Protein Sequence:

>MR211964 representing NM_206958
Red=Cloning site Green=Tags(s)

MDTKLMCLLFFLCLPLLLVSNHTGRIKVVFTPSICKVTCTKGNCQNSCQKGNTTTLISENGHAADTLTAT
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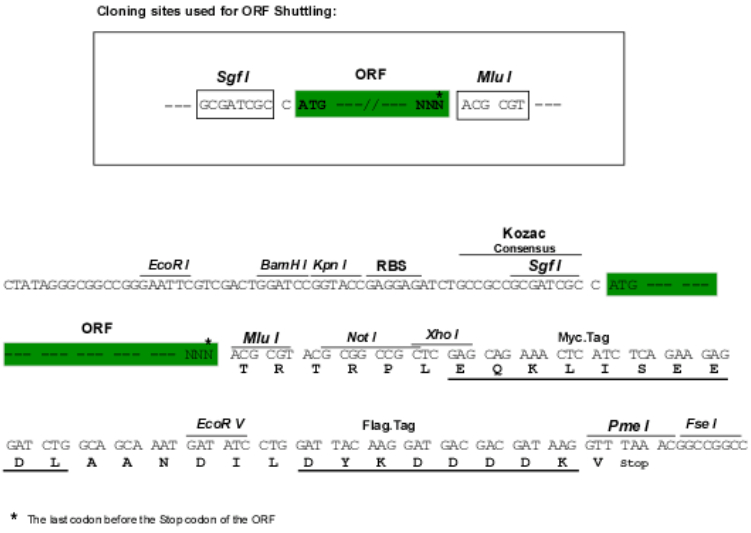
Restriction Sites: SgfI-MluI

Cloning Scheme:

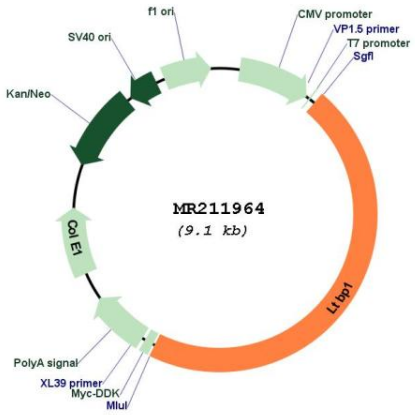


ACCN: NM_206958

ORF Size: 4182 bp

OTI Disclaimer:	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_206958.3
RefSeq Size:	6771 bp
RefSeq ORF:	4185 bp
Locus ID:	268977
UniProt ID:	Q8CG19
Cytogenetics:	17 E2
MW:	153.6 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 MR211964