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Product datasheet for RR210089

Ltbp2 (NM_021586) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ltbp2 (NM_021586) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ltbp2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR210089 representing NM_021586 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGAGAGCACCTCCCTGCGAGGTCTCCGGTGCCCACAGCTCTGCAGCCACTCTGGCGCCATGAGGGCGC CGACCACCGTCCGCTGCTCCGGACGCATCCAAAGGGCGCGTTGGAGGGGCTTCCTGCCACTTGTCCTGGC TCTCTTGATGGGGACAAGTCATGCCCAAAGGGATTCCGTGGGGAGATACGAACCAGCTAGCCGGGATGCC AATCGGTTGTGGCGCCCCGTGGGCAACCACCCCGCAGCGGCTGCAGCCAAGGTGTACAGTCTGTTCCGAG AGCCCGACGCGCCGGTCCCCGGCTTGTCGCCCTCTGAGTGGAATCAGCCGGGCCAGGGGATCCCTGGGAG GCTCGCAGAGGCCGAGGCCAGGAGACCGTCCCGAGCCCAGCAGCTGCGTCGAGTCCAGTCACCTGTCCAG ACTCGGAGAAGCAATCCCCGAGGCCAGCAGCCACCAGCAGCCCGGACCGCACATTCCGTCGTGCGCCTGG CGACCCCTCAGCGACCCGCGGCTGCACGCCGAGGGCGGCTCACCGGGAGAAATGTCTGCGGGGGACAGTG CTGCCCTGGATGGACGACATCGAACAGCACCAACCACTGTATCAAACCTGTGTGTCAGCCTCCCTGTCAG AACCGGGGCTCCTGCAGCCGGCCCCAGCTCTGCATCTGCCGTTCTGGCTTCCGTGGGGCACGCTGCGAGG AGGTCATCCCTGAGGAGGAGTTTGACCCTCAGAATGCCAGGCCTGTGCCCAGACGCTCAGTGGAGGGAGC ACCTGGCCCTCACAGGAGCAGCGAGGCCAGAGGAAGTCTAGTGACCAGAATACAGCCGCTGCTACCACCA CTACCACCACCTCCATCTAGGACCCTCAGCCAGACCCGTCCCCTGCAGCAGCATGCAGGACTGTCCAGAA CAGTTCGTCGTTATCCGGCCACTGGTACCAATGGCCAACTGATGTCCAACGCTCTGCCTTCAGGACCAGG ACCTGAGCTGAGAGACAGCAGCCAACAGGCAGCACACATGAACCATCTCTCACACCCCTGGGGGCTGAAC CTCACCGAGAAAATCAAGAAGATTAAGGTCGTCTTCACTCCCACCATCTGCAAGCAGACCTGTGCCCGGG GCCGCTGTGCCAACACGTGTGAGAAGGGTGACACCACCACCCTGTACAGTCAGGGCGGCCATGGGCATGA CCCCAAGTCTGGCTTCCGTATCTATTTCTGCCAAATCCCCTGCCTGAATGGAGGCCGCTGCATTGGCCGG GACGAGTGCTGGTGTCCAGCCAACTCTACAGGGAAGTTCTGCCATCTGCCTGTCCCACAGCCAGACAGGG AGCCTCCAGGACGAGGCTCCCAGCACAGAGCCCTGCTGGAAGGGCCATTGAAGCAATCCACCTTCACGCT GCCTCTCTCCAACCAGCTGGCCTCTGTGAACCCCTCGCTGGTGAAGGTACAAATGCAGCACCCGCCTGAG GCCTCCGTGCAGATCCACCAGGTGGCCCGGGTCCGGGGTGAGGTGGACCCTGTGCCAGAGGACAACAGTG TGGAGACCAGAGCCTCTCATCGCCCCCATGGCAGCTCAGGCCACAGCCACTGGGCCAGCAACAGCATACC CGCTCGGGCTGGAGAGGCCCCTCGGCCACCACCAGTGCCGTCCAGGCATTATGGACTTCTGGGCCAGTGT

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Protein Sequence:

>RR210089 representing NM_021586
Red=Cloning site Green=Tags(s)

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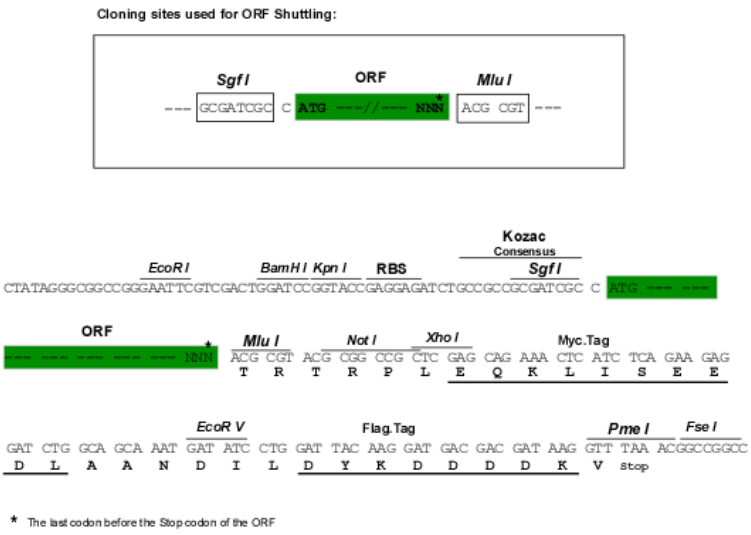
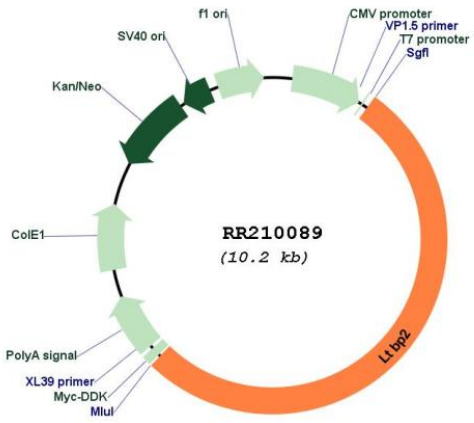
Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_021586
ORF Size:	5361 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_021586.2, NP_067597.2
RefSeq Size:	6468 bp
RefSeq ORF:	5364 bp
Locus ID:	59106
UniProt ID:	O35806
Cytogenetics:	6q31

MW:	192.4 kDa
Gene Summary:	induced by TGFbeta1 and also acts to further activate TGF-beta1 signaling [RGD, Feb 2006]