

## Product datasheet for **RC209838**

### LTBP2 (NM\_000428) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LTBP2 (NM_000428) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LTBP2
Synonyms:	C14orf141; GLC3D; LTBP3; MSPKA; MSTP031; WMS3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC209838 representing NM_000428 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGGCCGCGGACCAAAGCCCGCAGCCCGGGCGCGCCCTGCGGAACCCCTGGAGAGGCTTCTGCCGC  
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GTGGCCAGGTGCGGGCGGGGTGGAGGAGGCCCTAGTGGAGAACAGCGTGGAGACCAGACCCCCGCCCT  
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 GAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC209838 representing NM\_000428  
 Red=Cloning site Green=Tags(s)

MRPRTKARSPGRALRNPWRGFLPLTLALFVGAGHAQRDPVGRYEPAGGDANRLRRPGGSYPAAAAKVYS  
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 SGFRGARCEEVIPDEEFDQNSRLAPRRWAERSPNLRRSSAAGEGTLARAQPAPQSPAPQSPAGTSL  
 GLSQTHPSQQHVGLSRTVRLHPTATASSQLSSNALPPGPLEQRDGTQQAVPLEHPSSPWGLNLTEKIKK  
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 DQGFIEISPSGWDCVDVNECEMLAVCGAALCENVEGSFLCLCASDLEEYDAQEGHCRPRGAGGQSMSEAP  
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 PVEGAWTFGQTMYPDADCEVIFGPGLCPNGRCLNTVPGYVCLCNPGFHYDASHKKCEDHDECQDLACENG  
 ECVNTEGSFHCFCSPLTLDLQQRCMNSTSTEDLPDHDHMDICWKKVTNDVCSEPLRGHRTTYTECC  
 CQDGEAWSQQCALCPPRSSEVYAQLCNVARI EAEREAGVHFRPGYEGPDDLHYSIYGPDPGAPFNYL  
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 VREGYTCDFEGFQLDAAHMACVDVNECDDLNGPAVLCVHGYCENTEGSYRCHCSPGYVAEAGPPHCTAK  
 E

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI



**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\\_000428.3](#)

**RefSeq Size:** 8568 bp

**RefSeq ORF:** 5466 bp

**Locus ID:** 4053

**UniProt ID:** [Q14767](#)

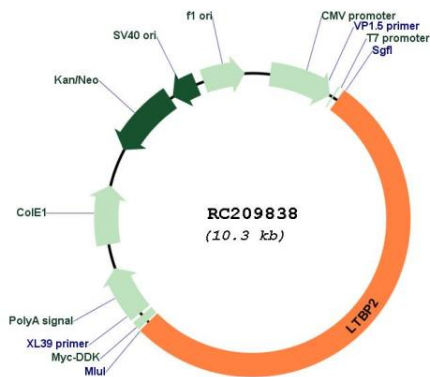
**Cytogenetics:** 14q24.3

**Protein Families:** Druggable Genome, Secreted Protein

**MW:** 195 kDa

**Gene Summary:** The protein encoded by this gene belongs to the family of latent transforming growth factor (TGF)-beta binding proteins (LTBP), which are extracellular matrix proteins with multi-domain structure. This protein is the largest member of the LTBP family possessing unique regions and with most similarity to the fibrillins. It has thus been suggested that it may have multiple functions: as a member of the TGF-beta latent complex, as a structural component of microfibrils, and a role in cell adhesion. [provided by RefSeq, Jul 2008]

### Product images:



Circular map for RC209838