

## Product datasheet for **SC327309**

### LTBP1 (NM\_001166265) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LTBP1 (NM_001166265) Human Untagged Clone
Tag:	Tag Free
Symbol:	LTBP1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001166265, the custom clone sequence may differ by one or more nucleotides

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ATGGATACTAAGCTGATGTGTTTGTGTTCTTTTTCTCCCTGCCTCCGCTCCTAGTGAGT
AACCACACTGGCCGCATCAAGGTGGTCTTTACTCCGAGCATCTGTAAAGTGACCTGCACC
AAGGGCAGCTGTGAGAACAGCTGTGAGAAGGGGAACACCACACTCTCATTAGTGAGAAT
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CAGCAGCCAGGCAAGGCGTTGGGGACGCATGTCATCCATTCAACACATACCTTGCCTCTG
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ACTCAGGTCCAACACCTCTGCTCCCAGGGCCGCTGTGAAAACACCGAGGGAAGTTTCTTG  
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 TACTACTCCAGAAGCCGATCCCTACTTCAATCCAAGACCGTTTTCTAAATAGCTTTGAGGAG  
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 CAGGAAGGTTACACCTGCGATTGCTTTGATGGGTATCACTTGGATACGGCCAAGATGACC  
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 AAGTGCATTAACACCGATGGTTCTACAAGTGTGGTGTCTGCCAGGCTACGTGCCTTCT  
 GACAAGCCAAACTACTGCACTCCGTTGAATACCGCCTTGAATTTAGAGAAAGACAGTGAC  
 CTGGAG

**Restriction Sites:**

Please inquire

**ACCN:**

NM\_001166265

**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).

<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001166265.1</a> , <a href="#">NP_001159737.1</a>
<b>RefSeq Size:</b>	5149 bp
<b>RefSeq ORF:</b>	4029 bp
<b>Locus ID:</b>	4052
<b>UniProt ID:</b>	<a href="#">Q14766</a>
<b>Cytogenetics:</b>	2p22.3
<b>Protein Families:</b>	Druggable Genome, Secreted Protein
<b>Protein Pathways:</b>	TGF-beta signaling pathway
<b>Gene Summary:</b>	<p>The protein encoded by this gene belongs to the family of latent TGF-beta binding proteins (LTBPs). The secretion and activation of TGF-betas is regulated by their association with latency-associated proteins and with latent TGF-beta binding proteins. The product of this gene targets latent complexes of transforming growth factor beta to the extracellular matrix, where the latent cytokine is subsequently activated by several different mechanisms. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR and 5' coding region, and lacks an alternate in-frame exon in the central coding region, compared to variant 1. The encoded isoform (3) has a distinct N-terminus and is shorter than isoform LTBP-1L.</p>