

Product datasheet for **SC327701**

LTBP3 (NM_001164266) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LTBP3 (NM_001164266) Human Untagged Clone
Tag:	Tag Free
Symbol:	LTBP3
Synonyms:	DASS; GPHYS3; LTBP-3; LTBP2; pp6425; STHAG6
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001164266, the custom clone sequence may differ by one or more nucleotides

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ATGAATGGCGGCCAGTGTCTCCTCGGAAACCAGTGCCTGTGTCCCCGGACTTCACTGGG
CGCTTCTGCCAGGTGCCCGCAGGAGGAGCCGGTGGGGGTACCGCGGCTCAGGCCCGGC
CTGAGCAGGACAGGGGCCCTGTCCACAGGGCGCTGCCGCCCTGGCTCCGGAGGGCGAC
TCTGTGGCCAGCAAGCACGCCATCTACGCCGTCCAGGTGATCGCTGACCTCCTGGGCC
GGGGAGGGGCTCCTGCCAGCACGCAGCCTTCTGGTGGCCCTAGGCCCGGACAGATC
TCAGCAGAAGTGCAGGCCCGCCCCCGTGGTGAATGTGCGCGTCCATCACCCGCCGAG
GCCTCAGTCCAGGTGCACCGCATTGAGAGCTCGAACGCCGAGAGCGCAGCCCCCTCCAG
CACCTGCTGCCGACCCCAAGCCCTCGCACCCCGGCCGCCACCCAGAAGCCCCCTGGG
CGCTGCTTTCAGGACACTCTGCCAAGCAGCCGTGTGGCAGCAACCCCTCCCCGGCCTC
ACCAAGCAGGAAGACTGCTGCGGTAGCATCGGCACTGCCTGGGGCCAGAGCAAGTGCCAC
AAGTGTCCCCAGCTGCAGTACACAGGAGTGCAGAAGCCAGGGCCTGTACGTGGGGAAGT
GGCGCTGACTGTCCCCAGGGCTACAAGAGGCTTAACAGCACCCACTGCCAGGACATCAAC
GAGTGCAGCAATGCCGGCGTGTGTGCCATGGTACTGCCTCAACAACCTGGCTCCTAT
CGCTGTGTCTGCCACCTGGCCATAGTTTAGGCCCTCCCGTACACAGTGCATTGCAGAC
AAACCGGAGGAGAAGAGCCTGTGTTCCGCCTGGTGGCCCTGAGCACCAGTGCACAGCAC
CCACTGACCACCCGCTGACCCGCCAGCTCTGTGCTGCAGTGTGGCAAGGCCTGGGGC
GCGCGGTGTGAGCGCTGCCCAACAGATGGCACCCTGCGTTCAAGGAGATCTGCCAGT
GGGAAGGATACCACATTCTCACCTCCCACCAGACGCTACCATTGAGGGCGAGAGTGAC
TTTTCCCTTTTCTGCACCTGACGGGCCACCCAAGCCCCAGCAGCTTCCGGAGAGCCCT
AGCCAGGCTCCACCACCTGAGGACACAGAGGAAGAGAGGGGTGACCACGGACTCACCG
GTGAGTGAAGGAGGTCAGTGCAGCAGAGCCACCAACTGCCACCAGACTCCTGCCCGG
CCCTACCCGAGCTGATCTCCCTCCCTCGCCCCGACCATGCGCTGGTTCTGCCGGAC
TTGCTCCTTCCCGCAGCGCCGTAGAGATCGCTCCCACTCAGGTCACAGAGACTGATGAG
TGCCGACTGAACCAGAACATCTGTGGCCACGGAGAGTGGTGGCGGGCCCCCTGACTAC
TCCTGCCACTGCAACCCGGCTACCGGTACATCCCCAGCACCCTACTGCGTGGATGTG

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AACGAGTGCAGGAGCAGAGCCCTGTGGCCCGGGAGGGGCATCTGCATGAACACCGGCGGC
TCCTACAATTGCCACTGCAACCGCGGCTACCGCCTGCACGTGGGCGCCGGGGGGCGCTCG
TGCGTGGACCTGAACGAATGCGCCAAGCCCCACCTGTGCGGGCAGCGGGCTTCTGCATC
AACTTTCCCGGTCACTACAAGTGAACCTGCTACCCCGGCTACCGGCTCAAAGCCTCCCGG
CCTCCTGTGTGCGAAGACATCGACGAGTGCCGGGACCCAAGCTCTTGCCCGGATGGCAAA
TGCGGAGAACAAGCCCGGAGCTTCAAGTGCATCGCCTGTGAGCCTGGCTACCGCAGCCAG
GGGGCGGGGCTGTGCGGACGTGAACGAGTGCGCCGAGGGCAGCCCTGCTCGCTGGC
TGGTGCAGAGAACCTCCCGGCTCCTTCCGCTGCACCTGTGCCAGGGCTACGCGCCCGC
CCCGACGGCCGAGTTGCTTGGATGTGGACGAGTGTGAGGCTGGGGACGTGTGTGACAA
GGCATCTGCAGCAACACGCCAGGATCTTCCAGTGTGAGTGCCTCTCTGGCTACCATCTG
TCCAGGGACCGGAGCCACTGCGAGGACATTGATGAGTGTGACTTCCCTGCAGCCTGCATT
GGGGGTGACTGCATCAATAACCAATGGCTCCTACAGATGTCTTGGCCCCAGGGGCATCGG
CTGGTGGTGGCAGGAAATGCCAAGACATAGATGAGTGCAGCCAGGACCCGAGCCTGTGC
CTTCCCATGGGGCTGCAAGAACCTTCAGGGCTCCTATGTGTGTCTGCGATGAGGGC
TTCCTCCACCCAGGACCAGCAGGTTGTGAGGAGGTGAGCAGCCCCACCACAAGAAG
GAGTGTACCTGAACTTCGATGACACAGTGTCTGCGACAGCGTATTGGCCACCAACGTG
ACCCAGCAGGAGTGTGTGCTCTCTGGGGCCGGCTGGGGCGACCACTGCGAAATCTAC
CCCTGCCAGTCTACAGCTCAGCCGAGTTCACAGCCTCTGCCAGACGAAAGGGCTAC
ACCCAGGACAACAACATCGTCAACTACGGCATCCAGCCACCGTGACATCGACGAGTGC
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GAGTGTACTGCAAGCAGGGCTTCTACTACGACGGAACTGTGGAATGCGTGGACGTG
GACGAGTGCCTGGACGAGTCCAACCTGCCGGAACGAGTGTGTGAGAACACGCGCGGGC
TACCGCTGTGCTGCACGCCCTGCCGAGTACAGTCCCGCGCAGCGCCAGTGCCTGAGC
CGGAAGAGATGGAGCGTGCCCGGAGCGCGGACGTGTGCTGGAGCCAGCGCGGAGAG
GACGGCATGTGCGCTGGCCCCCTGGCCGGGCTGCCCTCACCTTCGACGACTGCTGCTGC
CGCCAGGGCCCGGCTGGGGCGCCCAATGCCGACCGTGCCCGCCGCGCGCGGGTCC
CATTGCCCGACATCGCAGAGCGAGGCAATTCCTTCTGGGACACAAGCCCCCTGTGTTG
GGGAAGCCCCAAGAGATGAGGACAGTTCAGAGGAGGATTAGACGAGTGTGCTGCGTG
AGTGGCCGCTGCGTGCCGCGCCGGGCGGCGCGGTGTGCGAGTGTCCCGCGGCTTCCAG
CTCGACGCTCCCGCGCCGCTGCGTGGATATCGACGAGTCCGAGAGCTGAACCAGCGC
GGGCTGCTGTGAAGAGCGAGCGTGCCTGAACACCAGCGGCTCCTTCCGCTGCGTCTGC
AAAGCCGCTTCGCGCGCAGCCCGCCGACGGGGCTGCGTTCGCCAGCGCGCCGC

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- Restriction Sites:** Please inquire
- ACCN:** NM_001164266
- 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).
- OTI Annotation:** 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.
- 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_001164266.1](#), [NP_001157738.1](#)

RefSeq Size: 4576 bp

RefSeq ORF: 3420 bp

Locus ID: 4054

UniProt ID: [Q9NS15](#)

Cytogenetics: 11q13.1

Protein Families: Transmembrane

Gene Summary: The protein encoded by this gene forms a complex with transforming growth factor beta (TGF-beta) proteins and may be involved in their subcellular localization. Activation of this complex requires removal of the encoded binding protein. This protein also may play a structural role in the extracellular matrix. Three transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Jan 2010]
Transcript Variant: This variant (3) uses an alternate splice site, uses a downstream start codon, and lacks an alternate in-frame exon in the 3' coding region, compared to variant 1. The resulting isoform (3) has a shorter N-terminus and lacks an internal segment near the C-terminus, compared to isoform 1.