

Product datasheet for **SC304904**

LTBP3 (NM_021070) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: LTBP3 (NM_021070) Human Untagged Clone
Tag: Tag Free
Symbol: LTBP3
Synonyms: DASS; GPHYS3; LTBP-3; LTBP2; pp6425; STHAG6
Vector: pCMV6 series
Fully Sequenced ORF: >NCBI ORF sequence for NM_021070, the custom clone sequence may differ by one or more nucleotides

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ATGCCCGGGCCCCGAGGGGCTGCTGGCGCCTGGCCCCTGAGATGCGCGGGGCGGGGGCG
GCGGGGCTGCTGGCGCTGCTGCTGCTGCTGCTGCTGCTGGCCTGGGCGGCAGG
GTCGAGGGGGGGCCGGCCGGCGAGCGGGGCGCAGGCGGGGGCGGGGCGCTGGCCCGCAG
CGCTTCAAGGTGGTCTTTGCGCCGGTGATCTGCAAGCGGACCTGTCTCAAGGGCCAGTGT
CGGGACAGTTGTCAGCAGGGCTCCAACATGACGCTCATCGGAGAGAACGGCCACAGCACA
GACACGCTCACGGGCTCCGGCTCCGCGTGGTGGTGTGCCCTCTCCCCTGCATGAATGGC
GGCCAGTGTCTCCGCGAAACCAGTGCCTGTGTCCCCGGACTTACTGGGCGCTTCTGC
CAGGTGCCCGCAGGAGGACCGGTGGGGTACCGCGGCTCAGGCCCGGCTGAGCAGG
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CCTCTGCCCAGCAGCAGCCTTCTGGTGGCCCTAGGCCCGGGACAGATCTCAGCAGAA
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GAAGACTGCTGCGGTAGCATCGGCACTGCCTGGGGCCAGAGCAAGTGCCACAAGTGTCC
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GAGAAGAGCCTGTGTTTCCGCTGGTGGCCCTGAGCACCAGTGCAGCACCCACTGACC
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TTCTGACCCCTGACGGGCCACCCAAAGCCCAGCAGCTTCCGGAGAGCCCTAGCCAGGCT
CCACCCTGAGGACACAGAGGAAGAGAGGGGTGACCACGGACTCACCGGTGAGTGAG
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GAGCTGATCTCCCGTCCCTCGCCCCGACCATGCGCTGGTTTCTGCCGACTTGCCTCCT
TCCCGCAGCGCGTAGAGATCGCTCCCACTCAGGTCACAGAGACTGATGAGTGCCGACTG

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AACCAGAACATCTGTGGCCACGGAGAGTGCCTGCCGGGCCCCCTGACTACTCCTGCCAC
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GAGGCAGAGCCCTGTGGCCCGGGGAGGGGCATCTGCATGAACACCGGCGGCTCCTACAAT
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CTGAACTTCGATGACACAGTGTCTGCGACAGCGTATTGGCCACCAACGTGACCCAGCAG
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TGCAAGCAGGGCTTCTACTACGACGGGAACCTGCTGGAATGCGTGGACGTGGACGAGTGC
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GCCTGCACGCCCCCTGCCGAGTACAGTCCCGCGCAGCGCCAGTGCCTGAGCCGGAAGAG
ATGGAGCGTGCCCGGAGCGCGCGACGTGTGCTGGAGCCAGCGCGGAGAGGACGGCATG
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CGCGGCTGGGGCGCCCAATGCCGACCGTCCCGCCGCGCGGCGGGGTCCATTGCCCC
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CCAAGAGATGAGGACAGTTCAGAGGAGGATTAGACGAGTGTGCTGCGTGTGAGTGGCCGC
TGCGTGCCGCGGGCGGGCGCGCTGTGCGAGTGTCCCGCGGCTTCCAGCTCGACGCC
TCCCGCGCCCGCTGCGTGGATATCGACGAGTGCAGGAGCTGAACCAGCGCGGGCTGCTG
TGCAAGAGCGAGCGCTGCGTGAACACCAGCGGCTCCTTCCGCTGCGTCTGCAAAGCCGGC
TTCGCGCGCAGCCCGCCGACGGGGCTGCGTTCCCCAGCGCCGCGCTGA

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- Restriction Sites:** Please inquire
- ACCN:** NM_021070
- 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_021070.2](#), [NP_066548.2](#)

RefSeq Size: 4064 bp

RefSeq ORF: 3771 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 (2) lacks an alternate in-frame exon in the 3' coding region, as compared to variant 1. The resulting isoform (2) lacks an internal segment but has identical N- and C-termini, as compared to isoform 1.