

# Recombinant Human LTBP3 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** LTBP3-4476H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | LTBP3 MS Standard C13 and N15-labeled recombinant protein (NP_001123616) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | 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.                                                                               |
| <b>Molecular Mass</b>   | 139.36 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>AA Sequence</b>      | MPGPRGAAGGLAPEMRGAGAAGLLALLLLLLLLLLLGLGGRVEGGPAGERGAGGGG<br>ALARERFKVVFAPVICKRTCLKGQCRDSCQQGSNMTLIGENGHSTDTLTGSGFRVV<br>VCPLPCMNGGQCSSRNQCLCPPDFTGRFCQVPAGGAGGGTGGSGPGLSRTGALS<br>TGALPPLAPEGDSVASKHAIYAVQVIADPPGPGEGPPAQHAAFLVPLGPGQISAEVQ<br>APPPVVNVVRVHHPPEASVQVHRIESSNAESAAPSQHLLPHPKPSHPRPPTQKPLGR<br>CFQDTLPKQPCGSNPLPGLTKQEDCCGSIGTAWGQSKCHKCPQLQYTG VQKPGPV<br>RGEVGADCPQGYKRLNSTHCQDINECAMPGVCRHGDCLNNPGSYRCVCPPGHSL<br>GPSRTQCIADKPEEKSLCFRLVSPEHQCQHPLTTRLTRQLCCCSVGKAWGARCQR |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

CPTDGTAAFKEICPAGKGYHILTSHQTLTIQGESDFSLFLHPDGPPKPQQLPESPSQ  
 APPPEDTEEERGVTTDSPVSEERSVQQSHPTATTTTPARPYPELISRSPPTMRWFL  
 PDLPPSRSAVEIAPTQVTETDECRLNQNICGHGECVPGPPDYSCHCNPGYRSHQPQ  
 RYCVDVNECEAEPCGPGRGICMNTGGSYNCHCNRGYRLHVGAGGRSCVDLNECA  
 KPHLCGDGGFCINFPGHYKCNCYPGYRLKASRPPVCEDIDECRDPSSCPDGKCEN  
 KPGSFKCIACQPGYRSQGGGACRDVNECAEGSPCSPGCWENLPGSFRCTCAQGY  
 APAPDGRSCLDVDECEAGDVCDNGICSNTPGSFQCQCLSGYHLSRDRSHCEDIDE  
 CDFPAACIGGDCINTNGSYRCLCPQGHRLVGGRKCQDIDECSDPSLCLPHGACKN  
 LQGSYVCVCDEGFTPTQDQHGCEEVEQPHHKKECYLNFDDTVFCDSVLATNVTQQ  
 ECCCCSLGAGWGDHCEIYPCPVYSSAEFHSCLPDGKGYTQDNNIVNYGIPAHRDIDE  
 CMLFGSEICKEGKCVNTQPGYECYCKQGFYDGNLLECVDVDECLDESNCRNGVC  
 ENTRGGYRCACTPPAEYSPAQRQCLSPEEMDVDECQDPAACRPGRCVNLPGSYR  
 CECRPPWVPGPSGRDCQLPESPAERAPERRDVCWSQRGEDGMCAGPLAGPALTF  
 DDCCCRQGRGWGAQCRPCPPRGAGSHCPTSQSESNSFWDTSPLLLGKPPRDED  
 SSEEDSDECRCVSGRCVPRPGGAVCECPGGFQLDASRARCVDIDECRELNQRGLL  
 CKSERCVNTSGSFRCVCKAGFARSRPHGACVPQRRRTTRTRPLEQKLISEEDLAAND  
 ILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

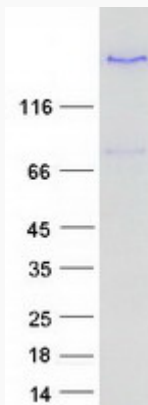
**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

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|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | LTBP3 latent transforming growth factor beta binding protein 3 [ Homo sapiens (human) ]                                                                                                                    |
| <b>Official Symbol</b> | LTBP3                                                                                                                                                                                                      |
| <b>Synonyms</b>        | LTBP3; latent transforming growth factor beta binding protein 3; DASS; LTBP2; LTBP-3; STHAG6; pp6425; GPHYSD3; latent-transforming growth factor beta-binding protein 3; latent TGF beta binding protein 3 |
| <b>Gene ID</b>         | 4054                                                                                                                                                                                                       |
| <b>mRNA Refseq</b>     | NM_001130144                                                                                                                                                                                               |
| <b>Protein Refseq</b>  | NP_001123616                                                                                                                                                                                               |
| <b>MIM</b>             | 602090                                                                                                                                                                                                     |
| <b>UniProt ID</b>      | Q9NS15                                                                                                                                                                                                     |
| <b>SDS-PAGE</b>        |                                                                                                                        |