

# Recombinant Full Length Mouse LTBP2 Protein, Flag-tagged

**Cat. No.** LTBP2-9349MFL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse LTBP2 Protein, fused to Flag-tag at C-terminus, was expressed in HEK293T.                                                                                                                                                                                                                                                                        |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                             |
| <b>ProteinLength</b>    | Full Length                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | Predicted to enable microfibril binding activity. Predicted to be involved in supramolecular fiber organization. Predicted to be located in extracellular region. Human ortholog(s) of this gene implicated in Weill-Marchesani syndrome. Orthologous to human LTBP2 (latent transforming growth factor beta binding protein 2).                                   |
| <b>Form</b>             | 50mM Tris.HCl, pH7.5, 100mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                 |
| <b>Molecular Mass</b>   | 192.8 kDa                                                                                                                                                                                                                                                                                                                                                          |
| <b>AA Sequence</b>      | MESTSPRGLRCPQLCSHSGAMRAPTTARCSGCIRRVRWRGFLPLVLAVLMGTSHA<br>QRDSIGRYEPASRDANRLWHPVGSHPA AAAAKVYSLFREPDAPVPGLS PSEWNQP<br>AQGNPGR LAEAEARRPPRTQQLRRVQPPVQTRRSHPRGQQQIAARAAPSVARLET<br>PQRPA AARRGRLTGRNVCGGQCCPGWTTSNSTNHCIKPVCQPPCQNRGSCSRPQ<br>VCICRSGFRGARCEEVIPEEEFDPQNARPVPRRSVERAPGPHRSSEARGSLVTRIQ<br>PLVPPPSPPPSRRLSQPWPLQQHSGPSRTVRRYPATGANGQLMSNALPSGLELRD |

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SSPQAAHVNLSPWGLNLTEKIKKIKVVFTPTICKQTCARGRCANSCEKGDTTTTLY  
SQGGHGHDPKSGFRIYFCQIPCLNGGRCIGRDECWCPANSTGKFCHLPVPQPDRE  
PAGRGSRHRTLLEGPLKQSTFTLPLSNQLASVNPSLVKVQIHHPPEASVQIHQVARV  
RGELDPVLEDNSVETRASRRPHGNLGHSPWASNSIPARAGEAPRPPVLSRHYGLL  
GQCYLSTVNGQCANPLGELTSQEDCCGSVGTFWGVTSCAPCPRPAFPVIENGQL  
ECPQGYKRLNLSHCQDINECLTLGLCKDSECVNTRGSYLCTCRPGLMLDPSRSRCV  
SDKAVSMQQGLCYRSLGSGTCTLPLVHRITKQICCCSRVGKAWGSTCEQCPLPGTE  
AFREICPAGHGYTYSSSDIRLSMRKAEELASPLREQTEQSTAPPPGQAERQPLRA  
ATATWIEAETLPDKGDSRAVQITTSAPHLPARVPGDATGRPAPSLPGQGIPESPAEE  
QVIPSSDVLVTHSPPDFDPCFAGASNICGPGTCVSLPNGYRCVCSPGYQLHPSQDY  
CTDIDECEQPGVCSGGRCNTEGSYHCECDRGYIMVRKGHCQDINECRHPGTCPD  
GRCVNSPGSYTCLACEEGYVGQSGSCVDVNECLTPGICTHGRINMEGSFRCSCE  
PGYEVTDPKKGCRDVDECASRASCPTGLCLNTEGSFTCSACQSGYWVNEDGTACE  
DLDECAFPGVCPTGVCTNTVGSFSCKDCDRGYRPNPLGNRCEDVDECEGPQSSC  
RGGECKNTEGSYQCLCHQGFQLVNGTMCEDVNECVGEEHCAPHGECLNSLG SFF  
CLCAPGFASAEGGTRCQDVDECAATDPCPGGHCVNTEGSFSCLCETGFQPSPSG  
ECLDIDECEDREDPVC GAWRCENSPGSYRCILDCQPGFYVAPNGDCIDIDECANDT  
VCGNHGFCDNTDGSFRCLCDQGFETSPSGWECVDVNECELMMAVCGDALCENVE  
GSFLCLCASDLEEYDAEEGHCRPRVAGAQRIPVETEDQAPSLIRMECYSEHNGGP  
PCSQILGQNSTQAECCCTQGARWKGACAPCPSEDSVEFSQLCPSGQGYIPVEGAW  
TFGQTMYTDADECVLFGPALCQNGRCLNIVPGYICLCNPGYHYDASSRKCQDHNEC  
QDLACENGECVNTEGSFHCCLNPPLTDLGQRCVNSTSTEDFPDHDHMDICWK  
KVTNDVCSQPLRGHHTTYTECCCQDGEAWSQQCALCPPRSSEVYAQLCNVARIEA  
ERGAGIHFRPGYEGPGLDDL PENLYGPDGAPFYNYLGPEDTAPEPPFSNPASQPG  
DNTPVLEPPLQPSELQPHYLASHSEPLASFEGQLQAEECGILNGCENGRCVRVREGY  
TDCDFEGFQLDAAHMACVDVNECEDLNGPAALCAHGHCENTEGSYRCHCSPGYV  
AEPGPPHCAAKE TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity**

&gt; 80% as determined by SDS-PAGE and Coomassie blue staining.

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**Storage**

Store at -80 centigrade. Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**Concentration**

>0.05 µg/µL as determined by microplate BCA method.

**GENE INFORMATION****Gene Name**

Ltbp2 latent transforming growth factor beta binding protein 2 [ Mus musculus (house mouse) ]

**Official Symbol**

LTBP2

**Synonyms**

AW208642; latent transforming growth factor beta binding protein 2

**Gene ID**

16997

**mRNA Refseq**

NM\_013589.4

**Protein Refseq**

NP\_038617.4

**UniProt ID**

O08999

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