

Recombinant Rat LTBP2 Protein, C-8×His tagged

Cat. No. LTBP2-3501R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat LTBP2 protein with His tag was expressed in HEK293.
Species	Rat
Source	HEK293
Description	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).
Molecular Mass	187 kDa
AA Sequence	QRDSVGRYEPASRDANRLWRPVGNHPAAAAAKVYSLFREPDAPVPGLSPSEWNQ PGQGIPGRLAEAEARRPSRAQQLRRVQSPVQTRRSNPRGQQPPAARTAHSVVRLA TPQRPAAARRGRLTGRNVCGGQCCPGWTTSNSTNHCIKPVCQPPCQNRGSCSRP QLCICRSGFRGARCEEVIPEEEFDPQNARPVPRRSVEGAPGPHRSSEARGSLVTRI QPLLPLPPPPSRTLSQTRPLQQHAGLSRTVRRYPATGTNGQLMSNALPSGPGPEL RDSSQQAAMNHLSPWGLNLTEKIKKIKVVFTPTICKQTCARGRCANTCEKGDTTT LYSQGGHGHDPKSGFRIYFCQIPCLNGGRCIGRDECWCPANSTGKFCHLPVPQPD REPPGRGSQHRALLEGLKQSTFTLPLSNQLASVNPSLVKVQM QHPPEASVQIHQV ARVRGEVDPVPEDNSVETRASHRPHGSSGSHWASNSIPARAGEAPRPPPVPSRH YGLLGQCYLSTVNGQCANPLGELTSQEDCCGSVGTSGVGTSCAPCPRPAFPVIE

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NGQLECPQGYKRLNLSHCQDINECLTLGLCKDSECVNTRGSYLCTCRPGLMLDPSR
 SRCVSDKAVSMKQGLCYRSMVSGTCTLPLVQRITKQICCCSRVGKAWGSKCEHCP
 LPGTEAFREICPAGHGYAYSSSDIRLSMRKAEELASPVREQRQQSSGPPPGAAE
 RQPLRAATATWIEAETLPDKGDSRAIQITTSAPHLPARVPGDATGRPTPSLPGQGIPE
 GPAEEQVIPSSDVLVTHGPPGFDPCFAGASNICGPGTCVKLPNGYRCVCSPGYQLH
 PSQDYCTDDNECLRNPCEGRGRCVNSVGSYSCLCPGYTLATLGDTQECQDVDEC
 EQPGVCSGGRCNTEGSYHCECDQGYVMVRRGHCQDINECRHPGTCPDGRCVN
 SPGSYTCLACEEGYIGQSGNCVDMNECLTPGICAHGRCINMEGSFRCSCEPGYELT
 PDKKGCRDVDECASRASCPTGLCLNTEGSFTCSACQSGYWVNEDGTACEDLDECA
 FPGVCPTGVCTNTVGSFSCDKDCDRGFRPSPLGNSCEDVDECEGPQNSCLGGECK
 NTDGSYQCLCPQGFQLANGTVCEDVDECVGEEHCAPHGECLNSPGSFFCLCAPGF
 ASAEGGTRCQDVDECATTEPCLGGHCVNTEGSFNCLCETGFQPAPDSGECVDIDE
 CANDTVCGNHGFCNDTSGFRCLCDQGFETSPSGWECVDVNECELMLAVCGDAL
 CENVEGSFLCLCASDLEEYDAEEGHCRPRVAGAQRIVEPTTEEQAAGLTGMECYAE
 HNGGPPCSQILGQNSTQAECCSTQGARWGETCDPCSEDSVEFSELCPSGQGYIP
 VEGAWTFGQAMYTDADECILFGPALCQNGRCLNTPGYICLCNPGYHYDAVSRKC
 QDHNECQDLACENGECVNTEGSFHCFCSPPLILDLSGQRCVNSTSSSEDFPDHDIH
 MDICWKKVTNDVCSQPLRGHHTTYTECCCQDGEAWSQQCALCPPRSSEVYAQLC
 NVARIEAEREAGIHFRPGYEYGPDPDDL PETLYGPDGAPFYNYLGPEDTVPEPPFSN
 TASHLGDNTPILEPPLQPSSELQPPAIQNPLASFEGQLAEECGILNGCENGRCVRVRE
 GYTCDCFEGFQLDTALMACVDVNECEDLNGAARLCAHGHCENTEGSYRCHCSPGY
 VAEPGPPHCAAKEHHHHHHHH

Endotoxin < 1 EU/μg by LAL

Purity > 80% by SDS-PAGE

Storage Store it under sterile conditions at -20 to -80 centigade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Concentration 7 µg/mL by BCA

Storage Buffer Sterile PBS, pH7.4

GENE INFORMATION

Gene Name Ltbp2 latent transforming growth factor beta binding protein 2 [Rattus norvegicus (Norway rat)]

Official Symbol LTBP2

Synonyms LTBP2; latent transforming growth factor beta binding protein 2; latent-transforming growth factor beta-binding protein 2; LTBP-2 like protein

Gene ID 59106

mRNA Refseq NM_021586

Protein Refseq NP_067597

UniProt ID A6JDY9

Reducing 12% SDS-PAGE (CBB stained) and WB (Anti-His Mouse Monoclonal antibody) analysis profiles of purified LTBP2.

1. LTBP2
2. BSA

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