

Recombinant Rat LTBP2 Protein, C-8xHis 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	<p>Predicted to enable microfibril binding activity. Predicted to be involved in supramolecular fiber organization. Predicted to be located in extracellular region.</p> <p>Human ortholog(s) of this gene implicated in Weill-Marchesani syndrome.</p> <p>Orthologous to human LTBP2 (latent transforming growth factor beta binding protein 2).</p>
Molecular Mass	187 kDa
AA Sequence	<pre> QRDSVGRYEPASRDANRLWRPVGNHHPAAAAAKVYSLFREPDAPVPGLSPSEWNQ PGQGIPGRLAEAEARRPSRAQQLRRVQSPVQTRRSNPRGQQPPAARTAHSVVRLA TPQRPAARRGRLTGRNVCGGQCCPGWTTSNSTNHCIKPVCPQCQNRGSCSRP QLCICRSGFRGARCEEVIPEEEFDPQNARVPRRSVEGAPGPHRSSEARGSLVTRI QPLLPLPPPPSRTLSQTRPLQQHAGLSRTVRRYPATGTNGQLMSNALPSGPGPEL RDSSQQAAMNHLSPWGLNLTEKIKKIKVVFTPTICKQTCARGRCANTCEKGDTTT LYSQGGHGHDPKSGFRIYFCQIPCLNGGRCIGRDECWCPANSTGKFCHLPVPQPD REPPGRGSQHRALLEGLKQSTFTLPLSNQLASVNPSTLVKVMQHPPEASVQIHQV ARVRGEVDPVPEDNSVETRASHRPHGSSGSHWASNSIPARAGEAPRPPPVPSRH YGLLGQCYLSTVNGQCANPLGELTSQEDCCGSVGTSWGVTSCAPCPPRPAFPVIE </pre>

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NGQLECPQGYKRLNLSHCQDINECLTLGLCKDSECVNTRGSYLCTCRPGLMLDPSR
 SRCVSDKAVSMKQGLCYRSMVSGTCTLPLVQRITKQICCCSRVKGAWGSKCEHCP
 LPGTEAFREICPAGHGYAYSSSDIRLSMRKAEEEEELASPVREQRQQSSGPPPGAAE
 RQPLRAATATWIEAETLPDKGDSRAIQITTSAPHLPARVPGDATGRPTPSLPGQGIPE
 GPAEEQVIPSSDVLVTHGPPGFDPCFAGASNICGPGTCVKLPNGYRCVCSPGYQLH
 PSQDYCTDDNECLRNPCEGRGRCVNSVGSYSCLCYPGYTLATLGDTQECQDQVDEC
 EQPGVCSGGRCNTEGSYHCECDQGYVMVRRGHCQDINECRHPGTCPDGRCVN
 SPGSYTCLACEEGYIGQSGNCVDMNECLTPGICAHGRCINMEGSFRCSCEPGYELT
 PDKKGC RDVDECASRASCPTGLCLNTEGSFTCSACQSGYWV NEDGTACEDLDECA
 FPGVCPTGVCTNTVGSFSCKDCDRGFRPSPLGNSCEDVDECEGPQNSCLGGECK
 NTDGSYQCLCPQGFQLANGTVCEDVDECVGEEHCAPHGECLNSPGSFFCLCAPGF
 ASAEGGTRCQDVDECATTEPCLGGHCVNTEGSFNCLCETGFQPAPDSGECVDIDE
 CANDTVCGNHGFCNDTDGSFRCLCDQGFETSPSGWECVDVNECELMLAVCGDAL
 CENVEGSFLCLCASDLEEYDAEEGHCRPRVAGAQRRIPEVPTEEQAAGLTGMECYAE
 HNGGPPCSQILGQNSTQAECSTQGARWGETCDPCSEDSVEFSELCPSGQGYIP
 VEGAWTFGQAMYTDADDECILFGPALCQNGRCLNTVPGYICLNPGYHYDAVSRKC
 QDHNECQDLACENGECVNTEGSFHCFCSPLILDLSGQRCVNSTSSSEDFPDHDIH
 MDICWKKVTNDVCSQPLRGHHTTYTECCCQDGEAWSQQCALCPPRSSEVYAQLC
 NVARIEAEREAGIHFRPGYEYGGPDDL PETLYGPDGAPFYNYLGPEDTVPEPPFSN
 TASHLGDNTPILEPPLQPSELQPPAIQNPLASFEGQLQAECCGILNGCENGRCVRVRE
 GYTDCDFEGFQLDTALMACVDVNECEDLNGAARLCAHGHCENTEGSYRCHCSPGY
 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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