

Recombinant Rat LTBP2 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP52630

Size: 10ug, 100ug

Protein Name: Latent-transforming growth factor beta-binding protein 2 (LTBP-2)

Synonym: Ltbp2

UniProt ID: O35806

UniProt Link: www.uniprot.org/uniprotkb/O35806/entry

Species Source: Rat

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 1764 AA

Molecular Weight: 190 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MRAPTTVRCSGRIQRRWRGFLPLVLALLMGTSHAQRDSVGRYEPASRDANRLWRPVGNHPAAAA
AKVYSLFREPDAPVPGLSPSEWNQPGQGIPGRLAEAEARRPSRAQQLRRVQSPVQTRRSNPRGQ
QPPAARTAHSVVRLATPQRPA AARRGRLTGRNVCGGQCCPGWTTSTNSTNHCIKPVQPPCQNRG
SCSRPQLCICRSGFRGARCEEVIPEEEFDPQNARVPVRRSVEGAPGPHRSSEARGSLVTRIQLLPP
LPPPPSRTLSTQTRPLQQHAGLSRTVRRYPATGTNGQLMSNALPSGPGPELRDSSQQAAMNHLSH
PWGLNLTEKIKKIKVFTPTICKQTCARGRCANTCEKGDTTTTLYSQGGHGHDPKSGFRIYFCQIPCLN
GGRCIGRDECWCPANSTGKFCHLPVPQPDREPPGRGSQHRALLEGPLKQSTFTLPLSNQLASVNP
SLVKVQMHPPEASVQIHQVARVRGEVDPVPEDNSVETRASHRPHGSSGSHSWASNSIPARAGEA
PRPPVPSPRHYGLLGQCYLSTVNGQCANPLGELTSQEDCCGSGVGTSGVGTSCAPCPRPAFPVIE
NGQLECPQGYKRLNLSHCQDINECLTLGLCKDSECVNTRGSYLCTCRPGLMLDPSRSRCVSDKA
VSMKQGLCYRSMVSGTCTLPLVQRITKQICCCSRVGKAWGSKCEHCPLPGTEAFREICPAGHGYAYSS
SDIRLSMRKAEELASPVREQRQQSSGPPPGAAERQPLRAATATWIEAETLPDKGDSRAIQITTS
A
PHLPARVPGDATGRPTPSLPGQGIPEGPAEEQVIPSSDVLVTHGPPGFDPCFAGASNICGPGTCVKL
PNGYRCVCSPGYQLHPSQDYCTDDNECLRNPCEGRGRCVNSVGSYSCLCYPGYTLATLGDTQEC
QDVDECEQPGVCSGGRCNSNTEGSYHCECDQGYVMVRRGHCQDINECRHPGTCPDGRCVNSPGS
YTCLACEEGYIGQSGNCVDMNECLTPGICAHGRCINMEGSFRCSCEPGYELTPDKKGC RDVDECAS
RASCPTGLCLNTEGSFTCSACQSGYWVNEDGTACEDLDECAFPGVCPTGVCTNTVGSFSCKDCDR
GFRPSPLGNSCEDVDECEGPQNSCLGGECKNTDGSYQCLCPQGFQLANGTVCEDVDECVGEEHC
APHGECLNSPGSFFCLCAPGFASAEGGTRCQDVDECATTEPCLGGHCVNTEGSFNCLCETGFQPA



PDSGECVDIDECANDTVCGNHGFCNDNTDGSFRCLCDQGFETSPSGWECVDVNECELMLAVCGDAL
CENVEGSFLCLCASDLEEYDAEEGHCRPRVAGAQRIPVPTTEEQAAGLTGMECYAEHNGGPPCSQI
LGQNSTQAECCSTQGARWGETCDPCPSEDSVEFSELCPSGQGYIPVEGAWTFGQAMYTDADECIL
FGPALCQNGRCLNTVPGYICLCNPGYHYDAVSRKCQDHNECQDLACENGECVNTEGSFHCFCSP
LILDLSGQRCVNSTSSSEDFPDHDIHMDICWKKVTNDVCSQPLRGHHTTYTECCCQDGEAWSQQC
ALCPPRSSEVYAQLCNVARIEAEREAGIHFRPGYEGPGPDDLPEPLYGPDGAPFYNYLGPEDTVPE
PPFSNTASHLGDNTPILEPPLQPSELQPPAIQNPLASFEGQLAECEGILNGCENGRCVVRVREGYTCD
CFEGFQLDTALMACVDVNECEDLNGAARLCAHGHCENTEGSYRCHCSPGYVAEPGPPHCAAKE

3. Buffer Composition

Liquid format: PBS-based buffer containing 50% glycerol. Glycerol concentration can be customized upon customer request; please state special requirements when placing your order.

Lyophilized format: Buffer before lyophilization is PBS supplemented with 6% trehalose.

4. Storage Conditions

Upon receipt, store the product at -20 °C or -80 °C. Aliquot the product for on-demand use to preserve protein activity and prevent denaturation and inactivation caused by repeated freeze-thaw cycles.

5. Product Description

This product is recombinant Latent-transforming growth factor beta-binding protein 2 (LTBP-2) produced using the HEK293T eukaryotic cell expression system. It is suitable for in-vitro functional assays, protein-protein interaction studies, antibody preparation and other biomedical research applications.

Protein Function: May play an integral structural role in elastic-fiber architectural organization and/or assembly.

Subcellular Localization: Secreted, extracellular space, extracellular matrix .

6. Notes

- Avoid repeated freeze-thaw cycles to maintain protein stability and biological activity.
- Please specify special buffer-composition requirements at the time of order placement.
- For research use only. Not intended for clinical diagnosis, therapeutic use or commercial manufacturing.