

Recombinant Mouse Ltbp4 Protein (Full Length), C-MYC/DDK tagged

Cat. No. LTBP4-01MFL Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant full length protein of Mouse latent transforming growth factor beta binding protein 4 (Ltbp4) with C-MYC/DDK tag was expressed in HEK293T.
Species	Mouse
Source	HEK293
ProteinLength	Full Length
Description	Key regulator of transforming growth factor beta (TGFB1, TGFB2 and TGFB3) that controls TGF-beta activation by maintaining it in a latent state during storage in extracellular space. Associates specifically via disulfide bonds with the Latency-associated peptide (LAP), which is the regulatory chain of TGF-beta, and regulates integrin-dependent activation of TGF-beta.
Molecular Mass	178.6 kDa
AA Sequence	MRRPGLGGPCPLLLLLLLLPAATSASGSSPSPSPSIEKAVVPSHQAGVAACHCCLDQ TPKSSRCTRASCRVRNCPKCTGLEGLTPTPSVSPSRSPVEKSQVSLNWQPLT LQEARALLRQRRPRGPWARALLKRRPPHRAPAGQARVLCPLICHNGGVCVKPDR LCPPDFAGKFCQLHSSGARPPAPAMPGLTRSVYTMPLANHRDDEHGVASMVSVHV EHPQEASVVVHQVERVSGPWEEANPEALARAEAAARAEAAAPYTVLAQSAPREDG YSDASGFGYCFRELRGSECASPLPGLRTQEVCCRGEGLAWGVHDCHPCAHLRN SNQVSGPNGPCPPGFERVNGSCVDVDECATGGRCQHGECANTRGGYTCVCPDG

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FLLDSSRSSCISQHVISEAKGPCYRVLHDGGCSLPILRNITKQICCCSRVKGAWGRG
 CQLCPYPYGSEGFREICPAGPGYHYSASDLRYNTRPLNQDPPRVTFNQPRVPPATPR
 PPTGFLPTRRPEPRPDGPGQPEPRPRPEPRPRPESRPRPEPRPRPEPRPQPESQP
 RPESRPRPESQPWPEFPLPSIPAWTGPEIPESGSSSMCQRNPQVCGPGRCVPRP
 SGYTCACDPGFRLGPQGTRCIDIDECRRVPTPCAPGRCENTPGSFRCVCGTGFQA
 GPRATECLDVDECRRVPPPCDRGRCENTPGSFRCVCPAGFRGSACEEDVDECAQQPPPCGPGRCDN
 CTQSPGLCGRGVCENLPGSFRCVCPAGFRGSACEEDVDECAQQPPPCGPGRCDN
 TAGSFHCACPAGFRSRGPGAPCQDVDECSRSPSPCAYGRCENTEGSFKVCVPTG
 FQPNAAGSECEDVDECENLACPGQECVNSPGSFQCRACPVGHHLHRGRCTDVD
 ECSSGTPCGLHGQCTNTKGSFHCSCSTGYRAPSGQPGPCADINECLEGDFCFPHG
 ECLNTDGSFTCTCAPGYRPGPRGASCLDVDECSEEDLCQSGICTNTDGSFECICPP
 GHRAGPDLASCLDIDECRERGPALCGSQRCENSPGSYRCVRDCDPGYHPGPEGT
 CDDIDECREYGSAICGAQRCENTPGSYRCTPACDPGYQPTPGGGCQDVDECRNRS
 FCGAHAMCQNLPGSFQCVCDQGYEGARDGRHCVDVNECETLQGVCGSALCENVE
 GSFLCVCNPSPEEFDPMTGRCVPPRAPAGTFPGSQPQAPASPSLPARPPAPPPPR
 RPSPPRQGPVSSGRRECYFDTAAPDACDNILARNVTWQECCCTVGEGWGSGCRI
 QQCPGTETAHEYQSLCPHGRGYLVPSGDLSARRDVDECQLFQDQVCKSGVCVNTAP
 GYSCYCSNGFYHHAHRLECVDNDECADEEPACEGGRCVNTVGSYHCTCEPPLVLD
 GSRRRCVSNESQSLDDNLGVCWQEVGPDVCSRPLDRQATYTECCCLYGEAWG
 MDCALCPAQDSDDFEALCNVLRPPAYGPPRPGGFGIPYEYGPDIGPPYQSLPYGPD
 LYPPPVLPHYDPYPPPPGPFARREAPYGAPPDFMPDFEDDGGPYGESETPDPPSRG
 TGWPYRSRDRTRGSFPEPEESSERGSYTGALSEPYEGLEAECEGILDGCPHGRCVR
 VPEGFTCDCFDGYRLDITRMSCVDVNECDEAEATSPLCVNARCVENTDGSFRCICRP
 GFAPTHQPHHCAPARPRATRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity

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

Stability

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

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Storage Store at -80 centigrade after receiving vials.

Concentration > 0.05 µg/µL as determined by Bradford protein assay method.

Storage Buffer 50mM Tris.HCl, pH7.5, 100mM glycine, 10 % glycerol.

GENE INFORMATION

Gene Name Ltbp4 latent transforming growth factor beta binding protein 4 [Mus musculus (house mouse)]

Official Symbol Ltbp4

Synonyms Ltbp4; latent transforming growth factor beta binding protein 4; 2310046A13Rik; latent-transforming growth factor beta-binding protein 4; LTBP-4

Gene ID 108075

mRNA Refseq NM_175641

Protein Refseq NP_783572

UniProt ID Q8K4G1

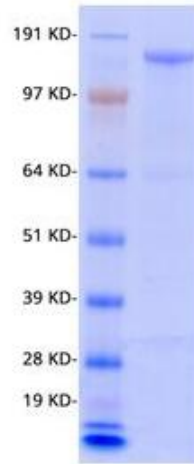
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SDS-PAGE



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