

## Product datasheet for TP322723

### LIMD1 (NM\_014240) Human Recombinant Protein

#### Product data:

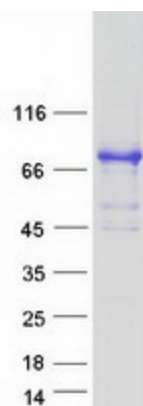
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human LIM domains containing 1 (LIMD1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC222723 representing NM_014240 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MDKYDDLGLEASKFIEDLNMYEASKDGLFRVDKGAGNNPEFEETRRVFATKMAKIHLLQQQQQQLLQEET L PRGSRGPVNGGGRLGPQARWEVVGSKLTVDGAAPPLAAGTGAAGQPPYPPQEQRSPYLH G TRHGSQDCGSRESLATSEMSAFHQGPCEDPSCLTHGDYYDNLSPKWDKPGVSPSIGLSVSGSWP S SPGSDPPLPKPCGDHPLNHRQLSLSSSRSEGLGGQNSGIGGRSSEKPTGLWSTASSQVRVSPGLPSPNL ENGAPAVGPVQPRTPSVSAPLALSCPRQGGLPRSNSGLGGEVSGVMSPKPNVDPQWQDGPQSYLSSSA P SSSPAGLDGSQQGAVPGLGPKPGCTDLGTGPKLSPTSLVHPVMSTLPELSCKEGLGWSSDGLSGSVLLD SPSSPRVRLPCQPLVPGPELRPSAAELKLEALTQRLEREMDAHPKADYFGACVKCSKGVFGAGQACQAMG NLYHDTCTCAACSRKLRGKAFYFVNGKVFCEEDFLYSGFQQSADRCFLCGHLIMDMILQALGKSYHPGC FRCVICNECLDGVPTVDSENKIYCVRDYHKVLAPKCAACGLPILPPEGSDETIRVSMMDRDYHVECYHC EDCGLELNDEEDGHRCPLEDHLFCHSCHVVRLEKRPSTALHQQHF  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	72 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_055055</a>
<b>Locus ID:</b>	8994
<b>UniProt ID:</b>	<a href="#">Q9UGP4</a>
<b>RefSeq Size:</b>	5067
<b>Cytogenetics:</b>	3p21.31
<b>RefSeq ORF:</b>	2028
<b>Summary:</b>	Adapter or scaffold protein which participates in the assembly of numerous protein complexes and is involved in several cellular processes such as cell fate determination, cytoskeletal organization, repression of gene transcription, cell-cell adhesion, cell differentiation, proliferation and migration. Positively regulates microRNA (miRNA)-mediated gene silencing and is essential for P-body formation and integrity. Acts as a hypoxic regulator by bridging an association between the prolyl hydroxylases and VHL enabling efficient degradation of HIF1A. Acts as a transcriptional corepressor for SNAI1- and SNAI2/SLUG-dependent repression of E-cadherin transcription. Negatively regulates the Hippo signaling pathway and antagonizes phosphorylation of YAP1. Inhibits E2F-mediated transcription, and suppresses the expression of the majority of genes with E2F1-responsive elements. Regulates osteoblast development, function, differentiation and stress osteoclastogenesis. Enhances the ability of TRAF6 to activate adapter protein complex 1 (AP-1) and negatively regulates the canonical Wnt receptor signaling pathway in osteoblasts. May act as a tumor suppressor by inhibiting cell proliferation.[UniProtKB/Swiss-Prot Function]

## Product images:



Coomassie blue staining of purified LIMD1 protein (Cat# TP322723). The protein was produced from HEK293T cells transfected with LIMD1 cDNA clone (Cat# [RC222723]) using MegaTran 2.0 (Cat# [TT210002]).