

Product datasheet for TP321099

LIMCH1 (NM_014988) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens LIM and calponin homology domains 1 (LIMCH1), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC221099 representing NM_014988 Red =Cloning site Green =Tags(s)

MACPALGLEALQPLQPEPPPEPAFSEAQKWIEQVTGRSFGDKDFRTGLENGILLCELLNAIKPGLVKKIN
RLPTPIAGLDNIILFLRGCKELGLKESQLFDPSDLQDTSNRVTVKSLDYSRKLKNLVTIYWLGAANS
TSYSGTTLNLKEFEGLLAQMRTDDIESPKRSIRDSDGYIDCWDSERSDSLSPRHGRDDSFDSLDSFGS
RSRQTPSPDVVLRGSSDGRGSDSESDLPHRKLDPVKKDDMSARRTSHGEPKSAVPFNQYLPNKSNTAY
V
PAPLRKKKAEREEYRKSWSSTATSPLGGERPFYGPRTVPVSDDAESTSMFDMRCEEEAAVQPHSRARQEQL
QLINNQLREEDDKWQDDLARWKSRRRSVSQDLIKKEEERKKMEKLLAGEDGTSERRKSIKTYREIVQEKE
RRERELHEAYKNARSQEEAEGILQQYIERFTISEAVLERLEMPKILERSHSTEPNLSSFLNDPNPMKYLR
QQSLPPPFTATVETIARASVLDTSMSAGSGSPKTVTPKAVPMLTPKPYSPKNSQDVLKTFKVDGKV
SVNGETVHREEEKERECPTVAPAHSLTKSQMFEGVARVHGSPLELKQDNGSIEINIKKPNVQELAATT
EKTEPNSQEDKNDGGKSRKGNIELASSEPHFTTTVTRCSPTVAFVEFPSPQLKNDVSEEKDQKKPENE
MSGKVELVLSQKVVKPKSPEPEATLTFPFLDKMPEANQLHLPNLNSQVDSPPSEKSPVTPQFKFWAWDP
EEERRRQEKWQQEQERLLQERYQKEQDKLKEWEKAQKEVEEEERRRYEEERKIIEDTVVPFTVSSSSAD
QLSTSSSMTEGSGTMNKIDLGNCQDEKQDRRWKKSFGQDSDLLKTRSDRLEEKGSLTEGALAHSGN
P
VSKGVHEDHQLDTEAGAPHCGTNPQLAQDPSQNQQTSNPTHSSDVKPKTLPDKSINHQIESPSERRK
K
SPREHFQAGPFSPCSPTPPGQSPNRSISGKKLCSGCLPLGKGAAMIETLNLYFHIQCFRCGICKGQLG
DAVSGTDVIRNGLLNCNDCYMRSRSAGQPTTL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

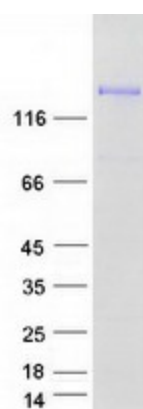
Tag:	C-Myc/DDK
Predicted MW:	121.7 kDa



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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.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_055803
Locus ID:	22998
UniProt ID:	Q9UPQ0
RefSeq Size:	5113
Cytogenetics:	4p13
RefSeq ORF:	3249
Synonyms:	LIMCH1A; LMO7B
Summary:	Actin stress fibers-associated protein that activates non-muscle myosin IIa. Activates the non-muscle myosin IIa complex by promoting the phosphorylation of its regulatory subunit MRLC/MYL9. Through the activation of non-muscle myosin IIa, positively regulates actin stress fibers assembly and stabilizes focal adhesions. It therefore negatively regulates cell spreading and cell migration.[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified LIMCH1 protein (Cat# TP321099). The protein was produced from HEK293T cells transfected with LIMCH1 cDNA clone (Cat# [RC221099]) using MegaTran 2.0 (Cat# [TT210002]).