

Product datasheet for TP321099M

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, 100 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC221099 representing NM_014988 Red=Cloning site Green=Tags(s) |

MACPALGLEALQPLQPEPPPEPAFSEAQKWIEQVTGRSFGDKDFRTGLENGILLCELLNAIKPGLVKKIN
RLPTPIAGLDNIILFLRGCKELGLKESQLFDPDDLQDTSNRVTVKSLDYSRKLKNVLTIIYWLGAANSC
TSYSGTTLNLKEFEGLLAQMRKDTDDIESPKRSIRDSEYDCWDSERSDSLSPRRHGRDDSFDSLDSFGS
RSRQTPSPDVLRGSSDGRGSDSESDLPHRKLPDVKKDDMSARRTSHGEPKSAVPFNQYLPNKSNTAYV
PAPLRKKAEREYRKSWSSTATSPGGERPFRYPRTVPVSDDAESTSMFDMRCEEEAAVQPHSRARQEQ
QLINNQLREEDDKWQDDLARWKSRRRSVSQDLIKKEERKKMEKLLAGEDGTSERRKSIKTYREIVQEKE
RRERELHEAYKNARSQEEAEGILQQYIERFTISEAVLERLEMPKILERSHSTEPNLSSFLNDPNPMKYLR
QQSLPPPFTATVETIARASVLDTSMSAGSGSPKTVTPKAVPMLTPKPYSQPKNSQDVLKTFKVDGKV
SVNGETVHREEEKERECPTVAPAHSLTKSQMFEVAVRHGSPLELKQDNGSIEINIKKPNSVPQELAATT
EKTEPNSQEDKNDGGKSRGNIELASSEPHFTTTVTRCSPTVAFVEFPSSPQLKNDVSEEKDKKPPENE
MSGKVELVLSQKVKPKSPEPEATLTFPFLDKMPEANQLHLPNLNSQVDSPESEKSPVTPPQFKFWAWDP
EEERRRQEKWQEQERLLQERYQKEQDKLKEWEKAQKEVEEEERRRYEERKIIEDTVVPFTVSSSSAD
QLSTSSMTEGSGTMNKIDLGNQCDEKQDRRWKKSFGGDDSDLLLKTRESDRLEEKGSLEGAHSGNP
VSKGVHEDHQLDTEAGAPHCCTNPQLAQDPSQNPQTSNPTHSSSEVVKPRTLPLDKSINHQIESPERRKK
SPREHFQAGPFSPCSPTPPGQSPNRSISGKCLSSCGLPLGKGAAMIETLNLVFIHQCFRCGICKGQLG
DAVSGTDVIRINGLLNCNDCYMRSRAGQPTTL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

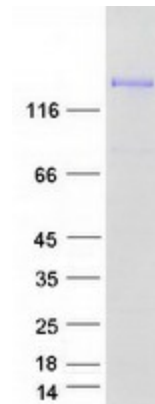
| | |
|----------------|---|
| Tag: | C-Myc/DDK |
| Predicted MW: | 121.7 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |



[View online »](#)

| | |
|----------------------|---|
| 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]).