

Datasheet for ABIN7554428

LIMCH1 Protein (AA 1-1083) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	LIMCH1
Protein Characteristics:	AA 1-1083
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LIMCH1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant LIMCH1 Protein expressed in mammalian cells.
Sequence:	MACPALGLEA LQPLQPEPPP EPAFSEAQKW IEQVTGRSFG DKDFRTGLEN GILLCELLNA IKPGLVKKIN RLPTPIAGLD NIILFLRGCK ELGLKESQLF DPSDLQDTSN RVTVKSLDYS RKLKNVLVTI YWLGKAANSC TSYSGTTLNL KEFEGLLAQM RKDTHDIESP KRSIRDSGYI DCWDSERSDS LSPPRHGRDD SFDSLDSFGS RSRQTPSPDV VLRGSSDGRG SDESIDLPHR KLPDVKKDDM SARRTSHGEP KSAVPFNQYL PNKSNQTAYV PAPLRKKKAE REEYRKSWSW ATSPLGGERP FRYGPRTPVS DDAESTSMFD MRCEEEAAVQ PHSRARQEQL QLINNQLREE DDKWQDDLAR WKSRRRSVSQ DLIKKEEERK KMEKLLAGED GTSERRRSIK TYREIVQEKE RRERELHEAY KNARSQEEAE GILQQYIERF TISEAVLERL EMPKILERSH STEPNLSSFL NDPNPMKYLR QQSLPPPFT ATVETTIARA SVLDTSMSAG SGSPSKTVTP KAVPMLTPKP YSQPKNSQDV LKTFKVDGKV SVNGETVHRE EEKERECPTV APAHSLTKSQ MFEQVARVHG SPLELKQDNG SIEINIKKPN SVPQELAATT EKTEPNSQED KNDGGKSRKG NIELASSEPQ HFTTTVTRCS PTVAFVEFPS SPQLKNDVSE EKDQKPPENE MSGKVELVLS QKVVKPKSPE

Product Details

PEATLTFPFL DKMPEANQLH LPNLNSQVDS PSSEKSPVMT PQKFWAWDP EEERRRQEKW
QQEQERLLQE RYQKEQDKLK EWEKAQKEV EEEERRYYEE ERKIIEDTVV PFTVSSSSAD
QLSTSSSMTE GSGTMNKIDL GNCQDEKQDR RWKKSFGQDD SDLLKKTRES DRLEEKGSLT
EGALAHSGNP VSKGVHEDHQ LDTEAGAPHC GTNPQLAQDP SQNQQTSNPT HSSSEVVKPKT
LPLDKSINHQ IESPSERRKK SPREHFQAGP FSPCSPTPPG QSPNRSISGK KLCSSCGLPL
GKGAAMIIET LNLYFHIQCF RCGICKGQLG DAVSGTDVRI RNGLLNCNDC YMRSRSAGQP TTL

Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary.

In case you have a special request, please contact us.

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: LIMCH1

Alternative Name: LIMCH1 ([LIMCH1 Products](#))

Background: LIM and calponin homology domains-containing protein 1,FUNCTION: Actin stress fibers-associated protein that activates non-muscle myosin IIa. Activates the non-muscle myosin IIa

Target Details

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. {ECO:0000269|PubMed:28228547}.

Molecular Weight: 121.9 kDa

UniProt: [Q9UPQ0](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months