

Recombinant Human MKLN1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MKLN1-4003H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MKLN1 MS Standard C13 and N15-labeled recombinant protein (NP_037387) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Muskelin is an intracellular protein that acts as a mediator of cell spreading and cytoskeletal responses to the extracellular matrix component thrombospondin I.
Molecular Mass	84.8 kDa
AA Sequence	MAAGGAVAAAP ^{EC} RLLPYALHKWSSFSSTYLPENILVDKPNDQSSRWSS ^{ES} NYPPQ YLILKLERPAIVQNITFGKYEKTHVCNLKKFKVFGGMNEENMTELLSSGLKNDYNKET FTLKHKID ^{EQ} MFPCRFIKIVPLLSWG ^{PS} FNFSIWYVELSGIDDPDIVQPCLNWYSKYR EQEAI ^{RL} CLKHFRQHNYTEAFESLQKKT ^{KIA} LEHPMLTDIHD ^{KL} VLKGD ^{FD} ACEELIEK AVNDGLFNQYISQQEYKPRWSQIIPKSTKGDGEDNRPGMRGGHQ ^M VIDVQTETVYL FGGWDGTQDLADFWAYSVKENQWTCISR ^{DE} TEKENGPSARSCHKMCIDI ^{QR} RQIYTL GRYLDSSVRNSKSLKSDFYRYDIDTNTWMLLSEDTAADGGPKLVFDHQ ^{MC} MDSEK HMIYTFGGRILTCNGSVDDSRASEPQFSG ^{LF} AFNCQCQTWKL ^{LR} EDSCNAGPEDIQ SRIGHCMLFHSKNRCLYVFGGQRSKTYLN ^{DF} FSYDVDSHD ^{VI} ISDGT ^{KK} DSGMVP MTGFTQRATIDPELNEIHVLSGLSKDKEKREENV ^{RS} FWIYDIV ^{RN} SWSCVYKNDQA AKDNPTKSLQEE ^{EP} CPRFAHQLVYDELHKVHYLFGGNPGKSCSPKMRLDDFWSLK

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LCRPSKDYLLRHCKYLIRKHRFEEKAQVDPLSALKYLQNDLYITVDHSDPEETKEFQL
 LASALFKSGSDFTALGFSDVDHTYAQRTQLFDTLVNFFPDSMTPPKGNLVDLITLRT
 RPLEQKLISEEDLAANDILDYKDDDDKV

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

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name MKLN1 muskelin 1 [Homo sapiens (human)]

Official Symbol MKLN1

Synonyms MKLN1; muskelin 1, intracellular mediator containing kelch motifs; muskelin; TWA2; FLJ11162;

Gene ID 4289

mRNA Refseq NM_013255

Protein Refseq NP_037387

MIM 605623

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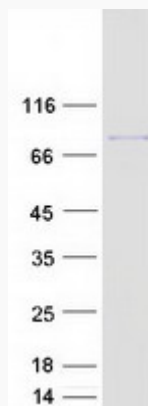
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UniProt ID

Q9UL63

SDS-PAGE

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