

## Product datasheet for **TP309817L**

### **MKLN1 (NM\_013255) Human Recombinant Protein**

#### Product data:

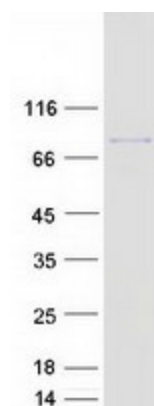
|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:                         | Recombinant Proteins                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Description:                          | Recombinant protein of human muskelin 1, intracellular mediator containing kelch motifs (MKLN1), transcript variant 2, 1 mg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Species:                              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Expression Host:                      | HEK293T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Expression cDNA Clone or AA Sequence: | >RC209817 protein sequence<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                       | <p>MAAGGAVAAAPCECRLLPYALHKWSSFSSTYLPENILVDKPNDQSSRWSESNYPPQYLILKLERPAIVQN<br/>ITFGKYEKTHVCNLKKFKVFGGMNEENMTELLSSGLKNDYNKETFTLKHKIDEQMFPCRFIKIVPLLSWG<br/>PSFNFSIWYVELSGIDDPDIVQPCLNWYSKYREQEAIRLCLKHFRQHNYTEAFESLQKKTIALEHPMLT<br/>DIHDKLVLGDFDACEELIEKAVNDGLFNQYISQQEYKPRWSQIIPKSTKGDGEDNRPGMRGGHQMVIDV<br/>QTETVYLFGGWDGTQDLADFWAYSVKENQWTCISRDEKENGPSARSCHKMCIDIQRRQIYTLGRYLDSS<br/>VRNSKSLKSDFYRYDIDTNTWMLLSEDTAADGGPKLVFDHQMCMMDSEKHMIYTFGGRIITCNGSVDDSR<br/>A<br/>SEPQFSGLFANFCQCQTWKLREDSCNAGPEDIQSRIGHCMLFHSKNRCLYVFGGQRSKTYLNDFFSYDV<br/>DSDHVDIISDGTKKDSGMVPMTGFTQRTIDPELNEIHVLSGLSKDKEKREENVNRSFWIYDIVRNSWSC<br/>VYKNDQAAKDNPTKSLQEEPCPRFAHQLVYDELHKVHYLFGGNPGKSCSPKMRLDDFWSLKLCRPSKD<br/>Y<br/>LLRHCKYLIRKHRFEEKAQVDPLSALKYLQNDLYITVDHSDPEETKEFQLLASALFKSGSDFTALGFSDV<br/>DHTYAQRTQLFDTLVNFFPDSMTPPKGNLVDLITL</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p> |
| Tag:                                  | C-Myc/DDK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Predicted MW:                         | 84.6 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_037387</a>                                                                                                                                                                                                                        |
| <b>Locus ID:</b>     | 4289                                                                                                                                                                                                                                             |
| <b>UniProt ID:</b>   | <a href="#">Q9UL63</a>                                                                                                                                                                                                                           |
| <b>RefSeq Size:</b>  | 11194                                                                                                                                                                                                                                            |
| <b>Cytogenetics:</b> | 7q32.3                                                                                                                                                                                                                                           |
| <b>RefSeq ORF:</b>   | 2205                                                                                                                                                                                                                                             |
| <b>Synonyms:</b>     | TWA2                                                                                                                                                                                                                                             |
| <b>Summary:</b>      | Muskelin is an intracellular protein that acts as a mediator of cell spreading and cytoskeletal responses to the extracellular matrix component thrombospondin I (MIM 188060) (Adams et al., 1998 [PubMed 9724633]).[supplied by OMIM, Mar 2008] |

## Product images:



Coomassie blue staining of purified MKLN1 protein (Cat# [TP309817]). The protein was produced from HEK293T cells transfected with MKLN1 cDNA clone (Cat# [RC209817]) using MegaTran 2.0 (Cat# [TT210002]).