

Product datasheet for **RG209817**

MKLN1 (NM_013255) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MKLN1 (NM_013255) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MKLN1
Synonyms:	TWA2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

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>RG209817 representing NM_013255
Red=Cloning site Blue=ORF Green=Tags(s)
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TTTTGTAATACGACTCACATATAGGGCGGCCGGGAATTCTGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCGCGCTGGCGGAGCTGTGCTGCGGCGCCGAGTGCCGGCTTCTCCCTACCGCTACACAAGTGTGA
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GATCACCTATGCTCAAGAACTCAGCTCTTTGACACCTTAGTAAATTTCTTCTGACAGCATGACTC
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

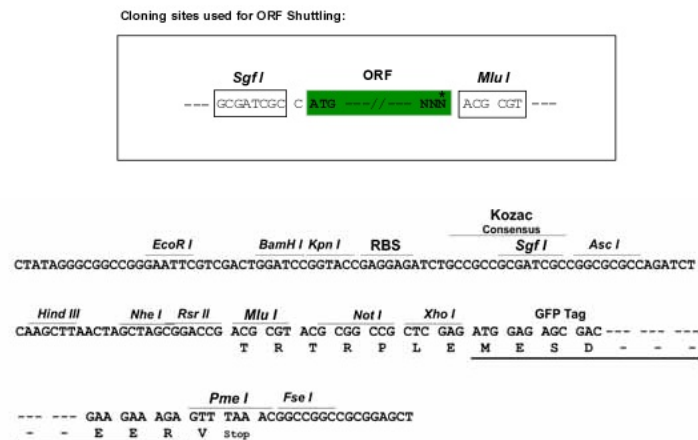
Protein Sequence: >RG209817 representing NM_013255
 Red=Cloning site Green=Tags(s)

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 SEPQFSGLFAFNCQCQTWKLLEDSCNAGPEDIQSRIGHCMLFHSKNRCLYVFGGQRSKTYLNDFFSYDV
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 VYKNDQAAKDNPTKSLQEEPCPRFAHQLVYDELHKVHYLFGGNPGKSCSPKMRLDDFWSLKLCRPSKDY
 LLRHCKYLIRKHFEEKAQVDPLSALKYLQNDLYITVDHSDPEETKEFQLLASALFKSGSDFTALGFSDV
 DHTYAQRTQLFDLTVNFFPDSMTPPKGNLVDLITL

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_013255

ORF Size: 2205 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_013255.3](#), [NP_037387.2](#)

RefSeq Size: 11157 bp

RefSeq ORF: 2208 bp

Locus ID: 4289

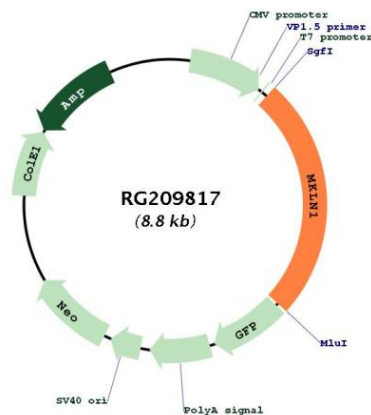
UniProt ID: [Q9UL63](#)

Cytogenetics: 7q32.3

Domains: LisH, Kelch

Gene Summary: 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:



Circular map for RG209817