

Product datasheet for **SC115218**

MKRN1 (NM_013446) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MKRN1 (NM_013446) Human Untagged Clone
Tag:	Tag Free
Symbol:	MKRN1
Synonyms:	RNF61
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_013446 edited
GAATTCGGCACGAGGGTAATGGCGGAGGCTGCAACTCCCAGAACAAACAGCCACAACATCA
GGAGCAGGAGCGGCAGCGGCGACGGCGGCAGCAGCCTCCCCACCCCGATCCCCACAGTC
ACCGCCCCGTCCCTGGGGCGGGCGGAGGGGGCGGCGGCAGCGACGGCAGCGGGCGGCG
TGGACTAAACAGGTACCTGCAGTATTTATGCATGGGTTTGTAAAGGAAGGAGACAAC
TGTCGCTACTCGCATGACCTCTCTGACAGTCCGTATAGTGTAGTGTCAAGTATTTTCAG
CGAGGGTACTGTATTTATGGAGACCGCTGCAGATATGAACATAGCAAACCAATTGAAACAG
GAAGAAGCAACTGCTACAGAGCTAACTACAAAGTCATCCCTTGCTTCTCAAGTCTC
TCATCGATAGTTGGACCCTTGTGAAATGAATACAGGCGAAGCTGAGTCAAGAAATTC
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GGGCAACCCTACTGTGGCCGACTGCGCCTTCTGCACTGAAGCACCCCTGCAGGGCTCA
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TCTTGTGACATGTGTGGGCTGCAGCTCCTGCATCCAATGGATGCTGCCCAGAGATCGCAG
CATATCAAATCGTGCATTGAGGCCCATGAGAAGGACATGGAGCTCTATTTGCCGTGCAG
CGCAGCAAGGACATGGTGTGTGGGATCTGCATGGAGGTGGTCTATGAGAAAGCCAACCCC
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CGCAAGTGGAGGAGTGTAAAGCAATTTGAGAGCAAGATCATAAAGTCTGCCCAGAATGC
CGGATCACATCTAACTTTGTCAATCCAAGTGAAGTACTGGTGGAGGAGAAAGAAGAGAAG
CAGAAACTCATTCTGAAATACAAGGAGGCAATGAGCAACAAGGCGTGCAGGTATTTTGT
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CCTGAAAATAACTCGGGGATGCTCCTGGTTTTGTCCATCTACTGCTTTGATTCTTGGATC
CCACCCATTCTTTCACTTAAGAAAAAACAATAATTGTTGCAGAGGTCTCTGATTTTTG
CAGCTGCCCTTTTGAAGAAGCACTTTTCCCAAATAAAACAATTAATAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAACTCGAC
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_013446 unedited
 GGGTTTAAATTTGTAAACGACTCATATAGGCGGCCCGCAATCGGCAGGAGGGTAAATGGC
 GGAGGCTGCAACTCCCGGNACAACAGCCACAACATCAGGAGCAGGAGCGGCAGCGCGCAC
 GGGCGCAGCAGCCTCCCCACCCCGATCCCCACAGTCACCGCCCCGTCCCTGGGGGCGGG
 CGGAGGGGGCGGGCAGCGACGGCAGCGGGCGGGCTGGACTAAACAGGTCACCTGCAG
 GTATTTTATGCATGGGGTTTGTAAAGGAAGGAGACAACACTGTCGCTACTCGCATGACCTCTC
 TGACAGTCCGTATAGTGTAGTGTGCAAGTATTTTCAGCGAGGGTACTGTATTTATGGAGA
 CCGCTGCAGATGAACATAGCAAACCATTGAAACAGGAAGAAGCAACTGCTACAGAGCT
 AACTACAAAGTCATCCCTTGCTGCTTCCCTCAAGTCTCTCATCGATAGTTGGACCCTTGT
 TGAAATGAATACAGGCGAAGCCTGAGTCAAGAAATTCAACTTTGCAACTGTAGGAGCAG
 GTTCAGAGGACTGGGTGAATGCCTATTGAGTTTGTTCCTGTGCAACCCTACTGTGGCCGT
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 AGAAAGAGCAAACCCGCCGCTGGAGACCAAGAACCAGCTGTGCCCTCATGCTGCAGT
 GGGGAGAGTGCCCGATACCCGGGAGAACTGTGTGCATCTCCACGGCAGATTCTTGTGAAC
 ATGTGTGGGGCTGCAGGTCTGCATTCCAAGGGATGCTGCCCAAAGACCGCAGCATCAT
 CAAATCCTGCATTGAAGCCCCATGAGAAAGACATGAAGCCCTCATTTGCCCGGGCACAGC
 ACCAAGCACAGGGA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_013446 unedited
 CGGCCGCAATCTAGAGTCGAGTT
 TTTTAATCGTTTTATTTGGGAAAAAGTCTTCTTACAAAAGGGCAGCTGCAAAATACAAA
 AACCTCTGCAACAATTATTTGTTTTTTCTTAAAGGGAAAAATGGGTGGGATCCAAGGAA
 TCAAAGCAGTAGATGGACAAACCAGGAGCTCCCCGAGTTATTTTCAGGAAACAGACCAA
 CAAAACACAAAGGTCCAATTCCTCAATCAAGGAATCTTCCAACAACCTAACTTTATCTAA
 TCTCAGGGATTCCCAACCCTCCCTTTCGGTGGAAAAGTATGACTTATCACTGCAAAACC
 ATTACTCCACTACAATAAACACCTTAAAACAAAGCTTTGAATCACGTCTGTCTACCTGAA
 CGCCTAGGGGCGGCATGAGGCAATCCCCACCAAAACCAACACAAAAACCCACCACAAA
 ATGCCTTAAGCGAGGACAAAGGTTTCCCAAAAAGTGCCTGTCTGCAAAGGCCTACACCC
 CAAAACCTTAAACACAACCTGGGTTTTCAAACCCCATTTGTGCTATCATATGGGACAACC
 CAGTCACTTAACCTTTATGGTTCACCCCATTTGTCTTTTCTATAAACAACCTACC
 TACTGTCTATTTGCAAAATTAACAACCTACTGGCTCGCCCTTAAAAATCCTCCTGCCACAC
 AGGCTTAACCTTCTACACCGTCTTTTTCTAAGGCCAAAATCTGCCTCCTCTCGGATGA
 AAACCTTAACACCCCCATTCTCCTTGCCCTCCTTGAGACACTTCCACTTTCATTG
 CGCCCTGCCCTTCCCTTACCCTTCTTTCCCTCTCCTTCGCACAACTTAAATTGTA
 CTTTCCCCCGTTTGGCCCCCCCCTTACTTGCGCCCAACCTAACCCCCG

Restriction Sites:

NotI-NotI

ACCN:

NM_013446

Insert Size:

3070 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	<ol style="list-style-type: none">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_013446.2 , NP_038474.1
RefSeq Size:	3116 bp
RefSeq ORF:	1449 bp
Locus ID:	23608
UniProt ID:	Q9UHC7
Cytogenetics:	7q34
Domains:	zf-CCCH, RING
Protein Families:	Druggable Genome
Gene Summary:	<p>This gene encodes a protein that belongs to a novel class of zinc finger proteins. The encoded protein functions as a transcriptional co-regulator, and as an E3 ubiquitin ligase that promotes the ubiquitination and proteasomal degradation of target proteins. The protein encoded by this gene is thought to regulate RNA polymerase II-catalyzed transcription. Substrates for this protein's E3 ubiquitin ligase activity include the capsid protein of the West Nile virus and the catalytic subunit of the telomerase ribonucleoprotein. This protein controls cell cycle arrest and apoptosis by regulating p21, a cell cycle regulator, and the tumor suppressor protein p53. Pseudogenes of this gene are present on chromosomes 1, 3, 9, 12 and 20, and on the X chromosome. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Apr 2014]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>