

Product datasheet for **SC214833**

MKRN1 (NM_013446) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	MKRN1 (NM_013446) Human 3' UTR Clone
Symbol:	MKRN1
Synonyms:	RNF61
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_013446
Insert Size:	1514 bp



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Insert Sequence: >SC214833 3'UTR clone of NM_013446
 The sequence shown below is from the reference sequence of NM_013446. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CTGGAAGATTTTTATGACTTGGATCTAAGCAACCTTGGCTGGCGTGTGAACTGGTCTGCTGACCTCAG
ACAGCAGCTGTCCCTGTGGTGGTGTGGCAGTGCCTGTGTTCTCTCCTAGGCAGGCCTCTCAACTCCAG
GTGCTGTCTAAGAATTTTTACCCAGGGCTGTCTTCTCAACCCCTCACCTTTCCCTGAGGAGTGTGTT
GTTTTCCCTGTTGAAAAAGTTACAAAAATAAATCTTAAAGTTAGTTTTTTGTAACACGAATTTAACTG
TCAGACAGTTAGTGTAGGTGTGTGCGTCATCTGTTTTCAACCAGATTGCATTTATGGACTTTTCACAC
ACTCATTTTGGAGACCCAGGTTCAAAAGTAAAAGCAGTGGCCCTGCTTTGGGGTCCAAGAATAGGAGT
GATGGGTGAAGGGACCTAAGCTGGCCAATAGCCCTCTGCCCCAGACATGGGATGTGGATCCTTGAGGTT
TCTGGTGAATCTGCACATCTGTGTTTTATATCTGTTCCCTACCCTGTAATCCCTACCAGTGCACCTT
GTCTGTGGTTTTGGTCTCTGTTTAATTGCACACAAGTAATACTACTGGGTAACCAGAATCAGGTGTG
AATGTGTTGAGATTTTTACTGTTTTGCATGATAGGAAAATTGAGAAAAGAAATACGTATAAAAAGATAGAG
AGGCATAACATCAATGCAGAGTTGGAAGTTGGCTCCCAAGGGCTGACATGGTGTGAGTGTGTGGGTGTG
TGATAAGCTTCTCATCCCTGCATAGATGCAGTATTCTTAGCCTTAGTAGAAAACTGGTTTAGTGGTT
TAAGCCTGTGTGGCAGATAGATCTTAAAGGGCAAAGCAGTATATTGGTAGTTGTCAATATAGCAGTGC
TAGCTCTGTCTATATAAATAGAGAAATGGGGTTAGCCATAGAGGTTAAAACCTACCTGGTTATCCCATAT
AATAACACAAAACGGGTCTTGGATACACAGTTGATTTAATGTTTTACGATCTAGCCTTTCCAGTACAG
GCACCTTTCTGAGAAACCTTTGTCCTCAGTTGAGGCATTTGTTGTGCGGTTTTTGTGTTTTTGTGTTG
GGTATTTGCCTCATTCCACCCCTGAGCTTTCAGGTAGACAGACGTGATTCAAACTCTGTTCTAAGGTG
TTTATTGTAGTGGAGTAATGGGTTTGCAGTGATAAGTCATACTTTTCCACCGAAAGGGAGGGCTTGGA
ATCCCTGAGATTAGCTAAAGTTAAGTTGTTGGAAGAATTCCTTGATTGGAATTGTACCTTTGTGTTTT
GTTGCTGTGTTTCTGAAAATAACTCGGGGATGCTCCTGGTTTGTCCATCTACTGCTTTGATTCTTGG
ATCCCACCCATTCTTCACTTTAAGAAAAACAATAATTGTTGCAGAGGCTCTGTATTTTGCAGCTG
CCCTTTTGTGAAGAAGCACTTTTCCCAAATAAAACAATTAATAAAAAAGTTGGCTGTTCTGTGTAA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 µg dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_013446.4](#)

Summary:

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]

Locus ID:

23608

MW:

56.6