

Product datasheet for SC115151

MKRN2 (NM_014160) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MKRN2 (NM_014160) Human Untagged Clone
Tag:	Tag Free
Symbol:	MKRN2
Synonyms:	HSPC070; RNF62
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_014160, the custom clone sequence may differ by one or more nucleotides

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ATGAGCACCAAGCAGATCACTTGCAAGTATTTTATGCATGGTGTGTGTCGGGAAGGAAGTCAGTGCCTAT
TCTCACATGACTTGCGAAACAGCAAACCGTCCACCATCTGCAAGTACTACCAGAAGGGCTACTGTGCCTA
TGGAACTCGGTGCAGATATGACCACACGAGGCCCTCTGCTGCAGCTGGAGGTGCTGTGGGCACCATGGCC
CACAGTGTGCCCTCCCCAGCTTTCCACAGTCCTCACCTCCTTCCGAGGTCACTGCATCCATTGTGAAAA
CTAACTCACATGAACCCGAAAGCGTGAAAGAGAACATTGGTTCTTAGAGACCGAAATCTCTCTGGCAT
GGCTGAAAGGAAGACCCAGCCGAGCATGGTGAGTAATCCAGGCAGCTGCAGCGACCCCGAGCCAGCCCC
GAGATGAAGCCGATTCTACCTGGATGCCATCAGGAGTGGCCTTGATGACGTGGAGGCCAGCAGCTCCT
ACAGCAACGAGCAGCAGCTGTGCCCTACGCAGCTGCTGGGGAGTGCCGGTTTGGGGATGCCTGTGTCTA
CCTGCACGGGGAGGTGTGTGAAATCTGTAGGCTGCAAGTCTTGACCCATTTCGACCCAGAGCAGAGGAAG
GCTCATGAAAAGATCTGCATGTTGACGTTTGAACACGAGATGGAAAAGGCCTTTGCCTTCCAGGCAAGCC
AGGACAAAGTGTGCAGTATCTGCATGGAAGTGATCCTGGAGAAGGCCTCTGCTTCTGAGAGGAGATTGG
GATTCTCTCAATTGCAATCACACGTAAGTTTGTCTGCATCCGGCAGTGGCGGTGTGCCAAACAGTTT
GAAAACCAATCATTAAAGTCTTGCCAGAATGCCGTGTGATATCAGAGTTTGAATTCCAAGTGTGTATT
GGGTGGAAGATCAGAATAAAGAACGAGTTGATTGAAGCTTTCAAACAGGGGATGGGGAAAAAGCCTG
TAAATACTTTGAGCAAGGCAAGGGGACCTGCCATTTGGAAGCAAATGTCTTTATCGCCATGCTTACCCC
GATGGGCGGCTAGCAGAGCCTGAGAAACCTCGGAAACAGCTCAGTTCTCAAGGCACTGTGAGGTTCTTTA
ATTCAGTGCGGCTCTGGGATTTTCATCGAGAACCAGAAAGCCGGCATGTCCCAACAATGAAGATGTGCA
CATGACAGAGCTCGGGGACCTCTTCATGCACCTTTCTGGAGTGAATCATCAGAACCCCTAA
  
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_014160 unedited
 GGTCAACATTTGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGAGCGGCTGC
 GAGAGGCGGCGGCACGACGACGGTCCCTCAGCCCAGCCACCATGAGCACCAAGCAGATCA
 CTTGCAGGTATTTTATGCATGGTGTGTCTGGGAAGGAAGTCAGTGCCTATTCTCACATG
 ACTTGGCAAACAGCAAACCGTCCACCATCTGCAAGTACTACCAGAAGGGCTACTGTGCCT
 ATGGAACCTCGGTGCAGATATGACCACACGAGGCCCTCTGCTGCAGCTGGAGGTGCTGTGG
 GCACCATGGCCCCACAGTGTGCCCTCCCCAGCTTTCCACAGTCTCACCCCTCCTCCGAGG
 TCACTGCATCCATTGTGAAAACTAACTCACATGAACCCGAAAGCGTGAAAAGAGAACAT
 TGGTTCTTAGAGACCGAAATCTCTCTGGCATGGCTGAAAGGAAGACCCAGCCGAGCATGG
 TGAGTAATCCAGGCAGCTGCAGCGACCCCCAGCCAGCCCGAGATGAAGCCGCATTCTCT
 ACCTGGATGCCATCAGGAGTGGCCTTGATGACGTGGAGGCCAGCAGCTCTACAGCAACG
 AGCAGCAGCTGTGCCCTACGCAGCTGCTGGGAGTGCCGGTTTGGGGATGCCTGTGTCT
 ACCTGCACGGNGAGGTGTGTGAAATCTGTAGGCTGCAAGTCTTGACCCATTGACCCAG
 AGCAGAGGAAGGCTCATGAAAAGATCTGCATGTTGACGTTGAAACACGAGATGAAAAAGG
 CCTTTGCCTTCCAGGCAAGCCAGNNACAAGTGTGCAGTATCTGCATGGAAGTGATCCTGG
 AGAAAGCCTCTGCTTCTGAGAGGAGAATTTGGATTCTCTCCATTGCATCACCGTACTGTT
 TGTCTGCTNCCGCAGTGG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_014160 unedited
 AGCTATGNACCCGCGGCCGAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTT
 TTGGGGTTTAATTTTGGTTTTATTGCACCTGACAAAATACAGTTATCTGATGGGCCCTCA
 ATTATGTTATTTTAATAAAATAAATTAATTTAGGTGTAATGGCTGGCTGTTACCTCCTT
 TTAAGTAATTTCTGAGCTCACAACCTGAATGCCCCATTTGTTACCCCTCTTCAGGAGCAG
 AATTCAAGAACAGGAAATGTGCCAGAGCCTAAGCTGGGAATGAATTTGTAATTTAACCT
 TTGTACTCTTTGTAAACCTCTACTGAAGAGTTAAGTATAAAAAATTAATTAAGCAGAAAGT
 ACTCTAAACTCAGCTAATACCTTAAGTAATACATTTTATAAACTATTTATTTATTTGGTA
 GGTACAGCTTTTTTAAACACAAAAATAGATTAGATAAATTCAGCTTGGAAACAAGCTAGT
 GCTGGTTCACAAGGGTATGCTCACCTTCAATTAATAATCAAAATGACTACAAGACTTGCC
 ATCAGCTCTCTTCAAGACCACTGCTGGGTCAGAATCAGAAACCTTGGGTGCCATGAAATT
 TTTACAAAATTTCAAATCAAAGCCAGGCTTTGCAGCTAGATAATAGATCACTTGAGTACG
 AACCACACATGTAAGTGCACGTATATTTGAGTTCTCATACAATTACCCTGATGGGCAAGG
 ACCCAGAGGTGAGAGCAGAGGCTTGGNTTCCCTANAGGGGCCCTGCTGGAAGCCCCACA
 CCCACCAAGAGACAGGAGGCCAGACTGCTACCCATACTGTACCTCCTTGCTCTTCAGAGCC
 TCCTAAGGAGAAGAGATCATACTTTACCTTGGTGCTGCCATGTGGCACACAATGCTACC
 TGATTGNGGAACCTGGAAGACTTGAAAAATGACACCCTAAAGCCTAAA

Restriction Sites:

NotI-NotI

ACCN:

NM_014160

Insert Size:

2870 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:	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:	<u>NM_014160.3, NP_054879.3</u>
RefSeq Size:	2778 bp
RefSeq ORF:	1251 bp
Locus ID:	23609
UniProt ID:	<u>Q9H000</u>
Cytogenetics:	3p25.2
Domains:	zf-CCCH, RING
Protein Families:	Druggable Genome
Gene Summary:	This gene encodes a probable E3 ubiquitin ligase containing several zinc finger domains, that is a member of the makorin RING zinc-finger protein family. This gene overlaps the v-raf-1 murine leukemia viral oncogene homolog 1 (RAF1) gene in an antisense orientation and may have a co-regulatory function with RAF1. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2012] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).