

Product datasheet for **SC322369**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for SC322369
 GGCCGGGCCAGGGCCAAGGCCGAGGCGGCAGCGGCTGCGAGAGGCGGCGGCACGACGACG
 GTCCCTCAGCCCAGCCACCATGAGCACCAAGCAGATCACTTGCAGGTATTTATGCATGG
 TGTGTGTCGGGAAGGAAGTCAGTGCCTATTCTCACATGACTTGGCAAACAGCAAACCGTC
 CACCATCTGCAAGTACTACCAGAAGGGCTACTGTGCCTATGGAACCTGGTGCAGATATGA
 CCACACGAGGCCCTCTGCTGCAGCTGGAGGTGCTGTGGGACCATGGCCACAGTGTGCC
 CTCCCCAGCTTTCCACAGTCTCACCCTCCTCCGAGGTCACTGCATCCATTGTGAAAAAC
 TAACTCACATGAACCCGGAAAGCGTGAAAAGAGAACATTGGTTCTTAGAGACCGAAATCT
 CTCTGGCATGGCTGAAAGGAAGACCCAGCCGAGCATGGTGAGTAATCCAGGCAGCTGCAG
 CGACCCCAAGCCAGCCCGAGATGAAGCCGATTCTACCTGGATGCCATCAGGAGTGG
 CCTTGATGACGTGGAGGCCAGCAGCTCCTACAGCAACGAGCAGCAGCTGTGCCCCACGC
 AGCTGCTGGGAGTGCCGGTTTGGGGATGCCTGTGTCTACCTGCACGGGAGGTGTGTGA
 AATCTGTAGGCTGCAAGTCTTGACCCATTGACCCAGAGCAGAGGAAGGCTCACGAAAA
 GATCTGCATGTTGACGTTGCAACACGAGATGAAAAAGGCTTTGCCTTCCAGGCAAGCCA
 GGACAAAGTGTGCAGTATCTGCATGGAAGTGATCTGGAGAAGGCCTCTGCTTCTGAGAG
 GAGATTTGGGATTCTCTCAATTGCAATCACACGTAAGTGTCTGCTGCATCCGGCAGTG
 GCGGTGTGCCAAACAGTTTGAACCCCAATCATTAAGTCTTGTCCAGAATGCCGTGTGAT
 ATCAGAGTTTGTAAATCCAAGTGTGATTGGGTGGAAGATCAGAAATAAAGAACGAGTT
 GATTGAAGCTTTCAAACAGGGGATGGGGAAAAAGCCTGTAAATACTTTGAGCAAGGCAA
 GGGGACCTGCCCATTTGGAAGCAAAATGTCTTATCGCCATGCTTACCCCGATGGGCGGT
 AGCAGAGCCTGAGAAACCTCGGAAACAGCTCAGTTCTCAAGGCACTGTGAGGTTCTTTAA
 TTCAGTGGGCTCTGGGATTTTCATCGAGAACCGAGAAAGCCGGCATGTCCCAACAATGA
 AGATGTCGACATGACAGAGCTCGGGGACCTCTTCATGCACCTTTCTGGAGTGAATCATC
 AGAACCCCTAAAGAGTAGATGGTTGCCCTGCATCTTGGGCTCCATCGGCCGAACTTTCCC
 AAGCCAGGTGTGCGGAGCTTCCCTGTACTGCAGCCAAGGTGACGTGTGACTTGGATTTG
 AGTGGAGTTGGGCTTAGCCTTAGTCTCATTCAATCTCCATTATTACAGCCATGGGGAAGA
 GTGAAAGATATAAAGTAACCTAATTAATGTATGGAATTGCTATTTTATAGCTGATATA
 GTTACACCTCAAGCCCTCAGGGGTAACAATAACAACACCCAACTGTTTGGATTGAT
 TGCTTTAAAAACAACTGGCTCTTACCTTTGATCTTTCTTCCCAGAAATAGTAAAC
 TTGCAGCTGCCCTAATGCAGCATATTTTCTTACCAAGGAGTCTTACGCCCTATAAAA
 GGATTCCTCTATAGTGTATTTCTCTAGTGTATTTAGTGTGTCGCAAAATTTTGATTAT
 ACAGAGCTTTCAAGAACACAAATGCAAAGTGAGCGCAGCATAGCTGTTAACAAACATAC
 AACTTTTTTCTAGGGCTTAAAGGTGGTCATTTTTTCAAGTTCTCTCAAGTGTCCCAAA
 TCAGGGTAGCAATCTTGTGGCCATGTGCAGCAAAAGTGAAGTATAGATCTTCTT
 CTCCCTTAGGGAGGCTCTTGAAGGAGCAGGAGGTACAGTACTGGGTAGCAGTCTGGCCCT
 CCTGTCGTCTGGTTGGTGTGGGGCCTCCAGCCAGGGCCCTTAGGGGAACCAAGCCTCT
 GCTCTACCTGTGGGTTCTTGCCATCAGGGTAATTGTATTGAGAACTCAATATACGTG
 CACTTACATGTGTGGTTCGTACTCAAGTGATCTATTATCTAGCTGCAAGCCTGGCTTTG
 ATTTGAAATTTGTAAAAATTCATGGCACCAAGGTTTCTGATTCTGACCCAGCAGTGG
 TCCTGAAGAGAGCTGATGGCAAGTCTTGTAGTCATTTTGATTTTAATTGAAGGTGAGCA
 TAACCTTGTGAACCAGCACTAGCTTGTCCAAGCTGGAATTTATCTAATCTATTTTGTG
 TTTAAAAAGCTGTACCTACCAATAAATAAATAGTTTATAAAATGTATTACTTAAGGTA
 TTAGCTGAGTTTAGAGTACTTTCTGCTTAATTAATTTTATACTTAACCTTTCAGTAGAG
 GTTTACAAAGAGTACAAAGGTTAAATTACAAATTCATCCAGCCTAGGCTCTGGGCACA
 TTTCTGTTCTTGAATTTGCTCCTGAAGAGGTGAACAAATGGGGCATTCAAGTTGTGA
 GCTCAGAAATTTTAAAGGAGGTAACAGCCAGCCATTACACCTAAATTTAATTTATTT
 TATTAATAAACATAATTGAGGGACCATCAGATAACTGTATTTTGTGAGGTGCAATAAAA
 ACAAATTTAAACCCAAATCATCAAGAAAAA

Restriction Sites: Please inquire

ACCN: NM_014160

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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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</u> , <u>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).