

Product datasheet for **RG208328**

MKRN3 (NM_005664) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MKRN3 (NM_005664) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MKRN3
Synonyms:	CPPB2; D15S9; RNF63; ZFP127; ZNF127
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG208328 representing NM_005664
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAAGAGCCTGCAGCTCCCTCAGAAGCCACGAGGCAGCCGGGGCCAGGCAGGTGCTGAGGCAGCAA
 GGGAGGGTGTGTCTGGGCGGACCTTCCCGTCTGTGAGCCCTCCGGGGAATCTGCTGCTCCAGATTCAGC
 CCTGCCACATGCGGAAGGGGCTGGGCCCTTCCCTGTAGCTCCAGTCCCTGCCACCTCCGCAGAGGA
 GGCCTGAGGCCTGCCCCAGCCTCAGGAGGAGGAGCCTGGCCAGTCCGTTGCCAAGCCGAAGCAGCGGCA
 TTTGGACAAAGCAGATCATCTGCAGGTATTATACATGGGCAGTGCAAGGAGGGGAGAAGTGTGCTA
 TTCGCACGACCTTCTGGTCGGAAGATGGCCACTGAGGGTGGCGTTTCGCCGCTGGGGCCTCTGCAGGT
 GGAGGCCCTAGCACGGCTGCGCACATCGAGCCCCGACTCAGGAAGTGGCGGAAGCCCCCGGCTGCAT
 CCTCCCTTCTTGCCTGTGATTGGCTCGGCTGCTGAAAGGGTTCCTTTGAAGCCGAGAGACAATGC
 AGACCGTGGAGCTGCTGGAGGAGCAGGTGTAGAAAGCTGGCGGATGCCATTGAGTTTGTCCAGGGCAG
 CCTACCGGGGCGCTGGGTTGCATCTGCCCCGAGGCTCCTCTACAGAGCTCAGAGACTGAGAGGAAGC
 AGATGGCTGTGGGAGTGGGTTGCGTTTTGCTATTATGCTTCCAGGGGAGTTTGCCTTTCGTTGGGAGAG
 CTGTATGTACCTCCATGGAGACATATGCGACATGTGTGGGCTGCAGACCTTGACCCCATGGATGCTGCC
 CAGAGGGAAGAACATATGAGGGCCTGCATTGAAGCACACGAGAAAAGATATGGAACCTCCTGTTTGTGTGC
 AGCGTGGTATGGACAAGGTGTGTGGCATCTGCATGGAGGTTGTCTATGAGAAGGCCAACCCCAATGACCC
 CCGCTTTGGCATTCTTCCAATTGCAACCATTCCTTCTGTATTAGGTGTATCCGAGGTGGAGAAGTGCC
 AGACAGTTTGAGAACAGGATCGTCAAGTCTTCCCACAGTGCAAGGTCACCTCTGAATTGGTCATTCCCA
 GTGAGTTCTGGTGGAGGAGGAAGAGAAGCAGAACTTATTACGAATAACAAGGAGGCAATGAGCAA
 CAAGGCCTGCAGGTATTTTGCAGGAGGCAAGGCAAGGTAAGTCCCATTTGGAGACACATGCTTTTACAAGCA
 GAATACCTGAGGGCTGGGAGATGAGCCTCCTGGCCAGGTGGTGGTATTACAGGCATACTGGCATC
 AACTTGTGGAGCCTGTGCGAATGGGAGAGGGCAACATGCTCTATAAAAGCATTAAAGAAGGAGCTTGTCT
 GCTTCGGCTGGCCAGTCTGTTGTTAAGCGTTTCTTTCAGTGAAGATGAGTTACCTTCTCTGAGGAC
 CAGTGGGACTTGCTTATTATGAGCTGGAAGAATATTTCAATTTGATTCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG208328 representing NM_005664
 Red=Cloning site Green=Tags(s)

MEEPAAPSEAEAAQAAGAEAAAREGVSGPDLVCEPSGESAAPDSALPHAARGWAPFPVAPVPAHLRRG
 GLRPAPASGGGAWPSPLPSRSSGIWTKQIICRYIYIHGQCKEGENCRYSHDL SGRKMATEGGVSPPGASAG
 GGPSTAHHIEPPTQEVAEAPPAASSLSLPVIGSAAERGF EAERDNADRGAAAGGAGVESWADAIEFVPGQ
 PYRGRWVASAPEAPLQSSETERKQMAVGSGLRFCYYASRGVCFRGESEMYLHGDI CDMCGLQTLHPMDAA
 QREEHMRACIEAHEKDMELSFVQRMGDKVCGICMEVYVEKANPNDRRF GILSNCNHSFCIRCIRWRSA
 RQFENRIVKSCPQCRVTSELVIPSEFWVEEEEEKQLIQYKEAMSNKACRYFAEGRGNCPFGDTCFYKH
 EYPEGWDEPPGPGGGSFSAYWHLVPEPVMGEGNMLYKSIKKELVVLRLASLLFKRFLSLRDELPFSED
 QWDLLEHYELEEYFNLIL

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_005664

ORF Size: 1521 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_005664.4](#)

RefSeq Size: 3107 bp

RefSeq ORF: 1524 bp

Locus ID: 7681

UniProt ID: [Q13064](#)

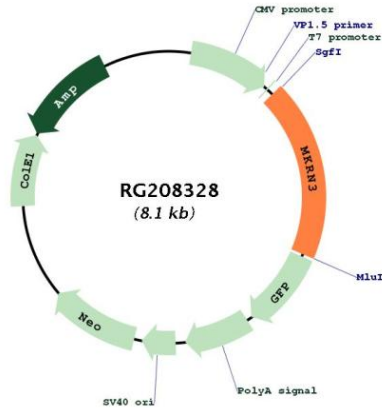
Cytogenetics: 15q11.2

Domains: zf-CCCH, RING

Protein Families: Druggable Genome

Gene Summary: The protein encoded by this gene contains a RING (C3HC4) zinc finger motif and several C3H zinc finger motifs. This gene is intronless and imprinted, with expression only from the paternal allele. Disruption of the imprinting at this locus may contribute to Prader-Willi syndrome. An antisense RNA of unknown function has been found overlapping this gene. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG208328