

Product datasheet for **RG203714**

MKRN2 (NM_014160) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	MKRN2
Synonyms:	HSPC070; RNF62
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG203714 representing NM_014160
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGCACCAAGCAGATCACTTGCAGGTATTTATGCATGGTGTGTGTCGGGAAGGAAGTCAGTGCCTAT
TCTCACATGACTTGGCAAACAGCAAACCGTCCACCATCTGCAAGTACTACCAGAAGGGCTACTGTGCCTA
TGGAATCGGTGCAGATATGACCACACGAGGCCCTCTGCTGCAGCTGGAGGTGCTGTGGGCACCATGGCC
CACAGTGTGCCCTCCCCAGCTTCCACAGTCCTCACCTCCTCCGAGGTCAGTGCATCCATTGTGAAAA
CTAACTCACATGAACCCGAAAGCGTGAAAAGAGAACATTGGTTCTTAGAGACCGAAATCTCTCTGGCAT
GGCTGAAAGGAAGACCCAGCCGAGCATGGTGAGTAATCCAGGCAGCTGCAGCGACCCCGAGCCAGCCCC
GAGATGAAGCCGATTCTACCTGGATGCCATCAGGAGTGGCCTTGATGACGTGGAGGCCAGCAGCTCCT
ACAGCAACGAGCAGCAGCTGTGCCCTACGCAGCTGCTGGGAGTGCCGGTTTGGGGATGCCTGTGTCTA
CCTGCACGGGGAGGTGTGTGAAATCTGTAGGCTGCAAGTCTTGACCCATTTCGACCCAGAGCAGAGGAAG
GCTCACGAAAAGATCTGCATGTTGACGTTGCAACACGAGATGGAAGGCTTTGCCTTCCAGGCAAGCC
AGGACAAAGTGTGCAGTATCTGCATGGAAGTGATCCTGGAGAAGGCCTCTGCTTCTGAGAGGAGATTGG
GATTCTCTCAATTGCAATCACACGTAAGTGTGCTGCTGCATCCGGCAGTGGCGGTGTGCCAAACAGTTT
GAAAACCAATCATTAAAGTCTTGTCAGAAATGCCGTGTGATATCAGAGTTTGAATTCCAAGTGTGTATT
GGGTGGAAGATCAGAAATAAAGAAACGAGTTGATTGAAGCTTTCAAACAGGGGATGGGAAAAAAGCCTG
TAAATACTTTGAGCAAGGCAAGGGACCTGCCCATTTGGAAGCAATGTCTTTATCGCCATGCTTACCCC
GATGGCGGCTAGCAGAGCCTGAGAAACCTCGGAAACAGCTCAGTTCTCAAGGCACTGTGAGTTCTTTA
ATTCAGTGCGGCTCTGGGATTTTCATCGAGAACCAGAAAGCCGGCATGTCCCAACAATGAAGATGTCGA
CATGACAGAGCTCGGGACCTCTTCATGCACCTTTCTGGAGTGAATCATCAGAACCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG203714 representing NM_014160
Red=Cloning site Green=Tags(s)

MSTKQITCRYFMHGVCREGSQCLFSDLANSPSTICKYYQKGYCAYGTRCRYDHTRPSAAAGGAVGTMA
HSVPSPAFHSPHPSEVTASIVKTNSEHPGKREKRTLVLDRNLSGMAERKTQPSMVSNPGSCSDPQSP
EMKPHSYLDAIRSLDDVEASSYSNEQQLCPYAAAGECRFGDACVYLHGEVCEICRLQVLHPFDPEQRK
AHEKICMLTFEHMEKAFQASQDKVCSICMEVILEKASASERRFGILSNCNHTYCLSCIRQWRCAKQF
ENPIIKSCPECRVISEFVIPSYYWVEDQNKKNELIEAFKQGMGKKACKYFEQKGKTCFPGSKCLYRHAYP
DGRLAPEKPRKQLSSQGTVRFFNSVRLWDFIENRESRHVPNNEDVDMTELGDLFMHLSGVESSEP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_014160

ORF Size: 1248 bp

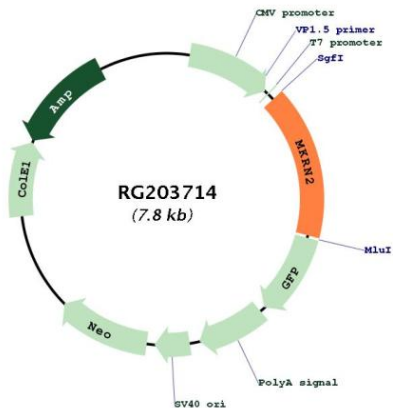
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
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]

Product images:



Circular map for RG203714