

Product datasheet for **RR206440**

Mkrn1 (NM_001004233) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mkrn1 (NM_001004233) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Mkrn1
Synonyms: MGC94941
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR206440 representing NM_001004233
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGGAGGCTGCGGCTCCCGGAACAACAGCCACAACATCAGGAGCAGGAGCGGCAGCGCGCGGTGG
CAGCGGCCTCCCTCACCTCTATCCCACAGTCGCTGCCCGTCCCGGGGGCGGAGGAGGGGGCGCGG
CAGCGACGGCAGCGCGCGGCTGGACGAAACAGGTCACCTGCAGATATTTATGCATGGGTTTTGTAAG
GAAGGAGATAACTGTCGATACTCTCATGACCTCTGACAGTCCATATGGTGTAGTGTGCAAGTATTTTC
AAAGAGGGTACTGTGTTTATGGAGACCGCTGCAGATACGAACACAGCAAGCCACTGAAACAGGAAGAAGT
GACTGCTACAGACCTGAGTGCAAAGCCATCCCCTGCTGCTTCTCAAGTCTCCCTTCTGGTGTGGATCA
CTTGCTGAAATGAATCCAGGCGAAGCTGAGTCACGAAACCCAACTTTCCAAGTGTAGGAGCGGGTTCAG
AGGACTGGGTGAATGCCATTGAGTTTGTCCCTGGGCAGCCCTACTGTGGCCGACTGCCCTTCTGCAC
TGAAGTGCCCTGCAGGGCTCAGTGACCAAGGAAGAGTCAGAGAAGGAGCCAACACGGTGGAGACAGAG
AAGCAGCTTTGCCCTATGCTGCAGTGGGAGAGTGTGCTATGGGAAAAGTGTGTATCTCCACGGAG
ACTCTGTGACATGTGTGGCTGCAGTCTACACCAATGGATGCTGCCAGAGGTCACAGCACATAAA
ATCGTGCATTGAGCCCATGAGAAGGACATGGAGCTCTTTTTGCTGTTACGCGCAGCAAGGACATGGTG
TGTGGGATCTGCATGGAGGTGGTCTATGAGAAAGCCAACCCAGCGAGCGTCGTTTTGGGATCCTCTCCA
ACTGCAACCACCTACTGTCTCAAGTGTATTGCAAGTGGAGAAGTGTAAACAATTTGAGAGCAAGAT
CATAAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR206440 representing NM_001004233
 Red=Cloning site Green=Tags(s)

MAEAAAPGTTATTSGAGAAAAVAAASLTSIPTVAAPSPGAGGGGGSDGSGGGWTKQVTCRYFMHGVC
 EGDNCRYSHDLSDSPYGVVCKYFQRGYCVYGDRCRYEHSKPLKQEEVATDLSAKPSPAASSLPSGVGS
 LAEMNPGEAESRNPFPVVGAGEDWVNAIEFVPGQPYCGRTAPSCTEVPLQGSVTKEESEKEPTTVETE
 KQLCPYAAVGECRYGENCVYHLHGDSCDMCGLQVLHPMDAAQRSQHIKSCIEAHEKDMELSFVQRSKDMV
 CGICMEVYVEKANPSERRFGILSNCHTYCLKCIRKWSAKQFESKIIK

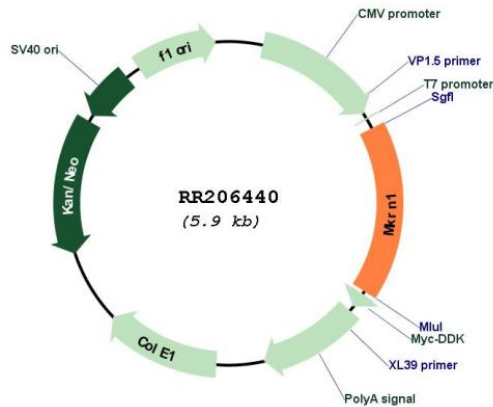
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001004233

ORF Size: 987 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:	<ol style="list-style-type: none">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_001004233.1 , NP_001004233.1
RefSeq Size:	1469 bp
RefSeq ORF:	990 bp
Locus ID:	296988
Cytogenetics:	4q22
MW:	35 kDa