

Product datasheet for **MR204844**

Mkrn1 (BC003329) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mkrn1 (BC003329) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mkrn1
Synonyms:	RFP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204844 representing BC003329 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGAGGCTGCGGCTCCCGGAACAACAGCCACAACATCAGGAGCAGGAGCGGCAGCGCGCGGTGG
CAGCGGCTCCCTCACCTCTATCCACAGTCGCTGCCCGTCCCGGGGCGGGAGGAGGGGCGGCGG
CAGCGACGGCAGCGGCGGCTGGACGAAACAGGTCACCTGCAGATACTTTATGCATGGGTTTGTAA
GAAGGCGATAACTGTCGATACTCTCATGACCTCTCTGACAGTCCATACGGCGTAGTGTCAAGTATTTT
AAAGAGGTACTGTGTTTATGGAGACCGCTGCAGATACGAACACAGCAAGCCACTGAAACAGGAAGAAGT
GACTGCTACTGATCTGAGTGCAAAACCCTCCCTCGCTGCTTCTCAAGTCTCTTCTGGTGTGGATCA
CTTGCTGAAATGAATTCAGGCGAAGCTGAGTCACGAAACCAAGCTTTCCAAGTGTAGGAGCAGGTTCA
AGGACTGGGTGAATGCCATTGAGTTTGTCCCTGGGCAGCCCTACTGTGGCCGACTGCCCTTCTGCAC
TGAAGTACCCCGCAGGGTTCAGTGACCAAGGAAGAGTCAGAGAAGGAGCCAACTACGGTGGAGACAAA
AAGCAGCTTTGCCCTATGCTGCAGTGGGAGAGTGTGCTATGGGAAAAGTGTGTATCTCCACGGAG
ACTCGTGTGACATGTGTGGCCTGCAGGTCCTACCCAGTGGATGCTGCCAGAGGTCACAGCACATAAA
ATCTTGCAATTGAGGCCATGAGAAGGACATGGAGCTCTCTTTGCTGTTACAGCGCAGCAAGGACATGGT
TGTGGATCTGCATGGAGGTGGTCTATGAGAAAGCAACCCAGCGAGCGTCGCTTTGGGATCCTCTCCA
ACTGCAACCACACCTACTGTCTCAAGTGTATTCGCAAGTGGAGAAGTGCTAAACAATTTGAGAGCAAGAT
CATAAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204844 representing BC003329
Red=Cloning site Green=Tags(s)

MAEAAAPGTTATTSGAGAAAAVAAASLTSIPTVAAPSPGAGGGGGSDGSGGGWTKQVTCRYFMHGVC
 EGDNCRYSHLSDSPYGVVCKYFQRGYCVYGDRCRYEHSKPLKQEEVATDLSAKPSLAASSLSSGVGS
 LAEMNSGEAESRNPSFPTVGAGEDWVNAIEFVPGQPYCGRTAPSCTEVPPQGSVTKEESEKEPTTVETK
 KQLCPYAAVGECRYGENCVYLHGDSCDMGLQVLHPVDAQAQRSHIKSCIEAHEKDMELSFVQRSKDMV
 CGICMEVVEKANPSERRFGILSNCHTYCLKCIRKWSAKQFESKIIK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC003329

ORF Size: 987 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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: [BC003329](#), [AAH03329](#)

RefSeq Size: 1523 bp

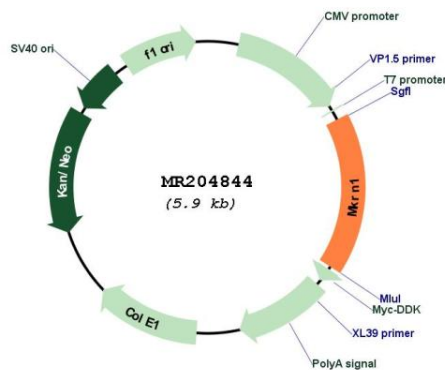
RefSeq ORF: 989 bp

Locus ID: 54484

Cytogenetics: 6 B1

MW: 55.8 kDa

Product images:



Circular map for MR204844