

Product datasheet for **MG224281**

Mkrn1 (NM_018810) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mkrn1 (NM_018810) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Mkrn1
Synonyms:	RFP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG224281 representing NM_018810
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGAGGCTGCGGCTCCCGGAACAACAGCCACAACATCAGGAGCAGGAGCGGCAGCGCGCGGTGG
 CAGCGGCCTCCCTCACCTCTATCCACAGTTCGCTGCCCGTCCCGGGGCGGGAGGAGGGGCGCGCGG
 CAGCGACGGCAGCGCGCGGCTGGACGAAACAGGTCACCTGCAGATACTTTATGCATGGGTTTGTAAAG
 GAAGGCGATAACTGTCGATACTCTCATGACCTCTCTGACAGTCCATACGGCGTAGTGTGCAAGTATTTTC
 AAAGAGGGTACTGTGTTTATGGAGACCGCTGCAGATACGAACACAGCAAGCCACTGAAACAGGAAGAAGT
 GACTGCTACTGATCTGAGTGCAAACCTCCCTCGCTGCTTCTCAAGTCTCTTCTGTTGGATCA
 CTTGCTGAAATGAATTCAGGCGAAGCTGAGTCACGAAACCAAGCTTTCCAAGTGTAGGAGCAGGTTTCCAG
 AGGACTGGGTGAATGCCATTGAGTTTGTCCCTGGGCAGCCCTACTGTGGCCGACTGCCCTTCTGCAC
 TGAAGTACCCCGCAGGGTTTCAGTGACCAAGGAAGAGTACAGAAAGGAGCCAACACTACGGTGGAGACAAAG
 AAGCAGCTTTGCCCTATGCTGCAGTGGGAGAGTGTCCGCTATGGGGAAAAGTGTGTGTATCTCCACGGAG
 ACTCGTGTGACATGTGTGGCCTGCAGGTCCTACCCAGTGGATGCTGCCAGAGGTCACAGCACATAAAA
 ATCTTGCATTGAGGCCATGAGAAGGACATGGAGCTCTTTTTGCTGTTTCAGCGCAGCAAGGACATGGTG
 TGTGGGATCTGCATGGAGGTGGTCTATGAGAAAGCCAACCCAGCGAGCGTCCGCTTTGGGATCCTCTCCA
 ACTGCAACCACACCTACTGTCTCAAGTGTATTTCGCAAGTGGAGAAGTGTAAACAATTTGAGAGCAAGAT
 CATAAAGTCTGCCCGAATGCCGGATCACATCTAACTTTGTATTCCAAGTGAAGTGGTGGAGGAG
 AAAGAAGAGAAGCAGAACTCATTGAGAAATACAAGGAGGCCATGAGCAACAAGGCGTGCAGTATTTTGG
 ATGAAGGACGTGGGAGCTGCCATTTGGAGGAACTGTTTTTACAAGCATGCGTACCCTGATGGCCGTAG
 AGAGGAGCCACAGAGACAGAAAGTGGGAACATCAAGCAGATACCGGGCCCAACGAAGGAGCCACTTCTGG
 GAGCTCATTGAGGAGAGAGAGAACAACCCCTTTGACAACGACGAAGAGGAGGTTGTACCTTTGAGCTGG
 GCGAGATGTTGCTTATGCTTTTGGCTGCAGGTGGGGACGACGAGCTGACAGACTCTGAGGACGAGTGGGA
 CTTGTTTACGATGAGCTGGAGGACTTTTATGACTTGGATCTA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG224281 representing NM_018810
 Red=Cloning site Green=Tags(s)

MAEAAAPGTTATTSGAGAAAAVAAAASLTSIPTVAAPSPGAGGGGGSDGSGGGWTKQVTCRYFMHGVC
 EGDNCRYSHLSDSPYGVVCKYFQRGYCVYGDRCRYEHSKPLKQEEVATDLSAKPSLAASSLSSGVGS
 LAEMNSGEAESRNPSPFTVAGSEWVNAIEFVPGQPYCGRTAPSCTEVPPQGSVTKEESEKEPTTVETK
 KQLCPYAAVGECRYGENCVYLHGDSCDMCGLQVLHPVDAQRSQHIKSCIEAHEKDMELSFVQRKDMV
 CGICMEVVYKANSRERRFGILSNCNHTYCLKCIRKWSAKQFESKIIKSCPECRITSNFVIPSENNWVEE
 KEEKQKLIQKYKEAMSNKACRYFDEGRGSCPFGGNCFYKHAYPDGRREEPQRQKVTSSRYAQRSSHFW
 ELIEERENPFNDDEEEVVTFELGEMLLMLLAAGGDELTDSEDEWDLFHDELEDFYDLDL

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_018810

ORF Size: 1443 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_018810.2](#), [NP_061280.2](#)

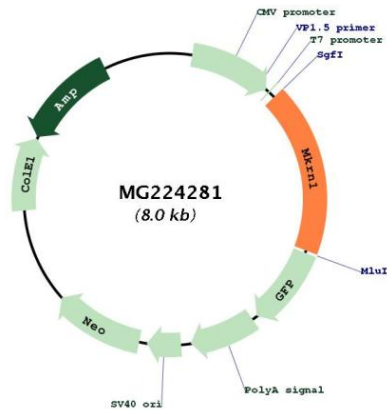
RefSeq Size: 2936 bp

RefSeq ORF: 1446 bp

Locus ID: 54484

Cytogenetics: 6 B1

Product images:



Circular map for MG224281