

Product datasheet for MR221405

Prr19 (NM_001081294) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prr19 (NM_001081294) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prr19
Synonyms:	EG623131
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR221405 representing NM_001081294 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACCCTCGGGGACCAGTCCCTCAGCCTTCCAGCAGCTTCAGAAACCTGGCCGAATTCGCCGTCGCA
AGACCAGGAGGGAGCGAAATAAGGCCCTGGTGAGCAGCCACAGGCCATTGGCCCGTCAGGATCCTCCCAT
ATCCAGTCGGGATCCATGTGTGATCCTCCAGGATCCTGTGGCCTCTGCAGCCCCAAGCTTGTGTGATA
ACTCAAGGCAGGTTGAGCCGGGAGCACCAGGGTCTCTTCAACCATGAGGTGAAATCCCTGGATGTGGCC
GGCTGCTTAACAGAGGTGCCTTGAATCACATACCCTCAGCTACCAACCAAGCCCTCCTGCAGTCCAGT
TGGAGTACAAGAACCAGACCTTCAGTCAAAGGCAAGGAGAACAAGGTACCAGGAGGCTCAGGCCAGGC
CCACCAAATTCCTCAGATCTTCTGTGTTGGGCAATTGCTGGAGGAGTTGCAGTACCAACTCATTGTGC
CACAAGCCTTCCAGGAGAAACCTAGTGCAGGAGTCCAGAGACACCATCATAAGAACCTTACAGGGCTG
CCATGGCTGTGTGCCTGATCTTGCCCTGGTGCTCCGAGGTTGCCAGCTACCCTTGCTGAGGCCAAACCG
AGGGTCCCTGAGAGACAGAGGATGGCATCTTCTGTATGGAAGTTCTGAGCATGCTCCACGGGAGGGGA
AGCAAAGGACTCAGCAGGCAACAAGGGGTGTGACTTTGCCATACCTCATACTTGCAACAGCACTACCCC
TGCACACAGGGGAGCCAGGTGCAACCTCAGGTCACCAACTGCCATTCTGTCTCAGCATCATACCA
TCTGGAGCAGCATGGGGTCCCCAACAGCTTTTGATATGCTGAAAAGCATCTGGCTCATAGCCACACCC
CCCCGCCCCCGCCAGCCCTGGGATGTCGCCCCACCTCAGCCCCACCACAGCCACCATCACCCCTTGT
ACCCAGAACATCTGCCTTGGACTGGAGCCCAACCCCTCCTGCCCACTGCCAGTCTCTCTGGGTAGTA
ACTCAGAGCAGTCCAGAGGCTTGGTCTTCCCCCAATGAGACTGTAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR221405 representing NM_001081294
 Red=Cloning site Green=Tags(s)

MDPRGPVPQPFQQLQKPGRI RRRKTRRERNKALVSSHRPLARQDPPISSRDPCVILQDPVASAAPKL VVI
 TQGRLSREHRGLFNHEVKSLDVARLLNRGALESHTPQLPTKPCSPPVGVQEPDLQSKGKENKVPGGSGPG
 PPNSPDLVPLGQLLEELQYQLIVPQAFPRRNLVQESRDITIRTLQGCHGCVPDALVLRGCQLPLPEAKP
 RVPERQRMASSCMEVPEHAPREGKQRTQQAATKGCDFAI PHTCNSTTPAHRGSQVQPPGHQLPFLSSASSP
 SGAAWGPPTAFDMLKSIWLIATPPPPPPQPDV RPPQPLPQPPSPLLPRTSALDWSPPAPLPSLSWVV
 TQSSPEAWSFPPMRLY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9087_d08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_001081294

ORF Size: 1098 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_001081294.1, NP_001074763.1

RefSeq Size: 1293 bp

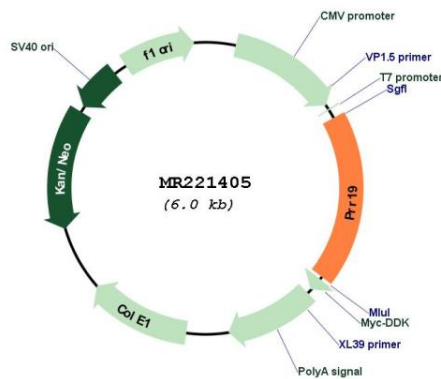
RefSeq ORF: 1101 bp

Locus ID: 623131

Cytogenetics: 7 A3

MW: 40.1 kDa

Product images:



Circular map for MR221405