

Product datasheet for **RR217229**

Mcm3 (NM_001191805) Rat Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Mcm3 (NM_001191805) Rat Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Mcm3 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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ORF Nucleotide
Sequence:

>RR217229 representing NM_001191805
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGGTACCGTAGTGTGCTGGACGACGTGGAGCTGCGGAAGCGCAGAGAGACTACTTGGACTTCTGG
 ACGACGAGGAAGACCAAGGAATTTACCAGAATAAAGTTTCGGGAGCTGATCAGTGACAACCAAGTATCGGCT
 GATTGTCAATGTGAATGACCTGCGCAGGAAAAATGAAAAGAGGGCTAACCGCCTCTGAACAATGCTTTC
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 TGACCAGCAAGATACCCGATTTATGAGAAGCATGACAACCTTCTACATGGTCCAAGAAGAAAAGGGAG
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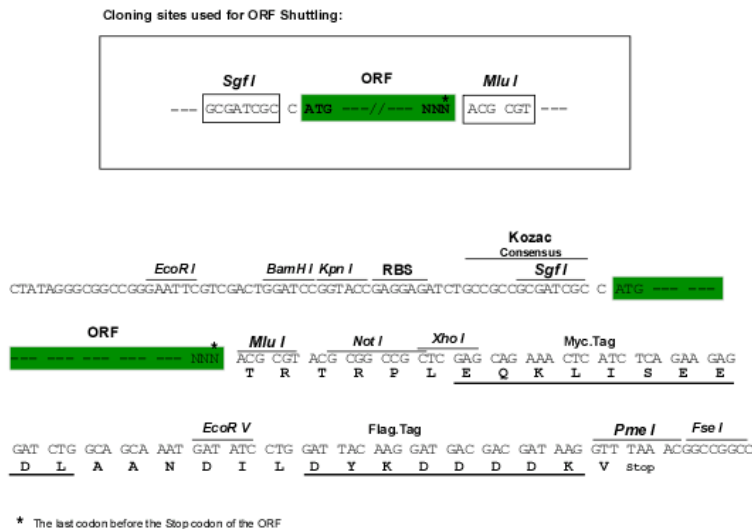
Protein Sequence: >RR217229 representing NM_001191805
 Red=Cloning site Green=Tags(s)

MAGTVVLDDELREAQRDYLDLDFLDEEDQGIYQNKVRELISDNQYRLIVNVNDLRRKNEKRANRLLNNAF
 EELVAFQALKDFVASIDATYAKQYEEFYIGLEGSFGSKHVSPTLTSCFLSCVVCVEGIVTKCSLVRPK
 VVRSVHYCPATKTKTIERRYSDLTTLVAFPSVVYPTKDEENNPLETEYGLSVYKDHQITITIQEMPEKAPA
 GQLPRSDVILDDDLVDKVKPGDRIQVVGTYRCLPGKKGYYTSGTFRTVLIACNVKQMSKDIQPAFSA
 IAKIKKFSKTRSKDVFEQLARSLAPSIHGHDYVKKAILCLLLGGVERELENGSHIRGDIINILLIGDPSVA
 KSQLLRYVLCTAPRAIPTTGRGSSGVGLTAAVTTDQETGERRLEAGAMVLADRGVVCIDFEFKMSMDRT
 AIHEVMEQGRVTIAKAGIHARLNARCSVLAANPVYGRYDQYKTPMENIGLQDSSLRFDLLFIMLDQMD
 PEQDREISDHVLRMHQYRAPGEQDGDALPLGSSVDILATDDPDFTQDDQDTRIYEKHDNLLHGSKKRE
 KMSAAMKMYIHVAKI IKPTLTQESAAYIAEEYSRLRSQDSMSSDTARTSPVTARTLETILRLATAHAK
 ARMSKTVLDQAEAEVELVQYAYFKKLEKEKKRKKPSEDESLEDEEEKSQEEDTEQTRKRRTQAKDG
 ESYDPYDFSEAEREMPQVHTPKTDDSQEKTDSEQETQESQKVELSESRLKAFKAALLEVFQEAHAQSVGM
 IHLTESINRNKEEPPSSEEIQASLSRMQDDNQVMVSEGI VFLI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001191805

ORF Size: 2439 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_001191805.2](#), [NP_001178734.2](#)

RefSeq Size: 2932 bp

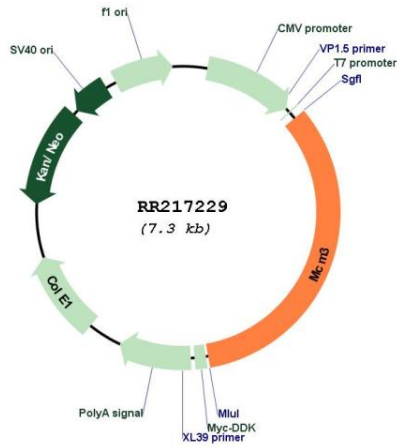
RefSeq ORF: 2442 bp

Locus ID: 316273

Cytogenetics: 9q13

MW: 91.7 kDa

Product images:



Circular map for RR217229