

Product datasheet for MR222831

Dmc1 (NM_010059) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Dmc1 (NM_010059) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Dmc1 |
| Synonyms: | Dmc1h; Lim15; Mei1; Mei11; sg; sgdp |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >MR222831 representing NM_010059 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGGAGGATCAAGTTGTGCAGGAAGAATCGGGATTCCAAGATGATGAGGAATCTCTGTTTCAAGACA
TTGACCTGTTGCAGAAGCATGGGATTAACATGGCTGATATTAAGAACTGAAGTCTGTAGGAATCTGTAC
CATTAAAGGGATACAAATGACAACAAGAAGAGCCCTCTGCAATGTCAAAGGCCTCTCAGAAGCCAAAGTG
GAAAAGATTAAGAGGCAGCCAACAAGCTTATTGAACCAGGATTCCTAACTGCATTTAGTACAGTGAAA
GGAGGAAGATGGTATTCCATATCACTACTGGGAGCCAGGAATTTGATAAATTACTAGGAGGTGGCATTGA
AAGTATGGCAATTACAGAAGCTTTTGGAGAATTCGTAAGTGGAAAACTCAGCTGTCTCATACCCCTGT
GTGACAGCTCAACTTCCAGGAACAGGCGCTACTCAGGTGGAAAGATTATCTTCATCGATACAGAAAATA
CTTTCCGTCAGATCGCCTTCGGGACATTGCTGACCGCTTCAACGTAGACCATGAAGCAGTACTGGACAA
CGTGCTCTATGCACGTGCCTATACTAGTGAGCATCAGATGGAGCTACTTGATTATGTGCGCAGCCAAGTTT
CATGAGGAAGCTGGCATTTCAACTATTGATCATTGACTCAATAATGGCACTTTTTCGAGTGGATTTC
GTGGCCGTGGGAATTGGCTGACGCCAGCAAAAATTGGCCAGATGTTGTCACGACTCCAAAAATCTC
AGAAGAATATAATGTTGCTGTTTTGTGACCAATCAAATGACTGCAGATCCAGGAGCAACTATGACCTTT
CAGGCTGATCCCAAAAACCCATTGGTGGACACATTCTGGCTCAGCTTCCACAACAAGAATAAGCTTGC
GCAAGGGAAGAGGAGAAGTGAAGATCGCCAAGATTTATGACAGCCCCGAGATGCCTGAAAATGAAGCCAC
CTTCGCAATAACCGCTGGAGGGATCGGGGATGCCAAGGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_010059.3](#), [NP_034189.1](#)

RefSeq Size: 2227 bp

RefSeq ORF: 1023 bp

Locus ID: 13404

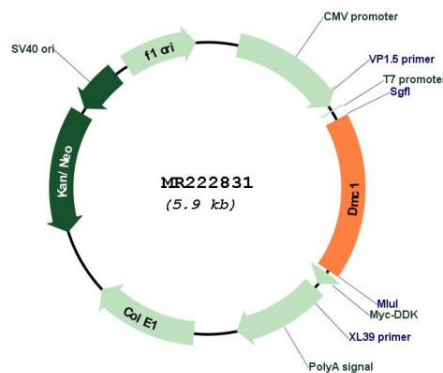
UniProt ID: [Q61880](#)

Cytogenetics: 15 37.79 cM

MW: 37.8 kDa

Gene Summary: This gene encodes a member of the superfamily of recombinases (also called DNA strand-exchange proteins). Recombinases are important for repairing double-strand DNA breaks during mitosis and meiosis. This protein, which is evolutionarily conserved, is reported to be essential for meiotic homologous recombination and may thus play an important role in generating diversity of genetic information. In mouse, deficiency of this gene causes infertility. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2013]

Product images:



Circular map for MR222831