

Product datasheet for **SC335082**

DMC1 (NM_001278208) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DMC1 (NM_001278208) Human Untagged Clone
Tag:	Tag Free
Symbol:	DMC1
Synonyms:	dj199H16.1; DMC1H; LIM15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001278208, the custom clone sequence may differ by one or more nucleotides

ATGAAGGAGGATCAAGTTGTGGCGGAAGAACCAGGATTCCAAGATGAAGAGGAATCTTTGTTTCAAGATA
 TTGACCTGTTACAGAAACATGGAATTAACGTGGCTGACATTAAGAACTGAAATCAGTAGGAATCTGTAC
 CATCAAAGGTATACAGATGACAACAAGAAGAGCTCTATGCAATGTCAAAGGACTCTCAGAAGCCAAAGTA
 GACAAGATTAAGAGGCAGCGAACAATAATTGAACCAGGATTCTTGACTGCATTTGAGTATAGTGAAA
 AGAGGAAAATGGTTTTCCATATCACCACCGGGAGCCAGGAATTTGATAAGTTACTAGGAGGTGGAATTGA
 AAGTATGGCAATTACAGAAGCTTTTGGAGAATTCGTAAGTGGAAAAACCCAGCTTTCTCATACCCTCTGT
 GGTGAACATCAGATGGAGCTACTTGATTATGTAGCAGCAAAGTCCATGAAGAAGCTGGCATCTTCAAGC
 TATTGATTATCGATTCAATAATGGCACTTTTTCGAGTGGATTTTCAGTGGCCGTGGGGAGTTGGCCGAACG
 GCAGCAAAAATTGGCCAGATGTTGTCACGACTCCAAAAAATCTCAGAAGAATATAACGTGGCTGTTTTT
 GTGACCAATCAAATGACTGCCGATCCAGGAGCAACTATGACCTTTCAGGCAGATCCAAAAAACCCATTG
 GGGGACACATTCTGGCTCATGCTTCAACAACAAGAATAAGCTTGCAGAAAGGGAAGAGGAGCTCAGAAT
 TGCCAAGATTTATGACAGTCCTGAGATGCCTGAAAATGAAGCCACCTTCGCAATAACTGCTGGAGGAATT
 GGGGATGCCAAGGAGTAG

Restriction Sites:	SgfI-MluI
ACCN:	NM_001278208
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).


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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:	<ol style="list-style-type: none"> 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:	<u>NM_001278208.1, NP_001265137.1</u>
RefSeq Size:	2082 bp
RefSeq ORF:	858 bp
Locus ID:	11144
UniProt ID:	<u>Q14565</u>
Cytogenetics:	22q13.1
Protein Families:	Druggable Genome
Gene Summary:	<p>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. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2013]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and lacks two alternate in-frame exons in the coding region compared to variant 1. The resulting protein (isoform 2) lacks an internal portion compared to isoform 1. Variants 2 and 4 encode the same protein.</p>