

Product datasheet for SC308955

DMC1 (NM_007068) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DMC1 (NM_007068) 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:	>SC308955 representing NM_007068. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAGGAGGATCAAGTTGTGGCGGAAGAACCAGGATTCCAAGATGAAGAGGAATCTTTGTTTCAAGAT
ATTGACCTGTTACAGAAACATGGAATTAACGTGGCTGACATTAAGAACTGAAATCAGTAGGAATCTGT
ACCATCAAAGGTATACAGATGACAACAAGAAGAGCTCTATGCAATGTCAAAGGACTCTCAGAAGCCAAA
GTAGACAAGATTAAGAGGCAGCGAACAACAACTAATTGAACCAGGATTCTTGACTGCATTTGAGTATAGT
GAAAAGAGGAAAATGGTTTTCCATATCACCACCGGAGCCAGGAATTTGATAAGTTACTAGGAGGTGGA
ATTGAAAGTATGGCAATTACAGAAGCTTTTGGAGAATTTCTGACTGGAAAAACCCAGCTTTCTCATACC
CTCTGTGTGACAGCTCAACTTCCAGGAGCTGGTGGCTACCCAGGAGGAAAGATTATCTTCATTGATACA
GAAAATACTTTCCGTCCAGATCGCCTTAGGGACATTGCTGATCGCTTTAATGTAGACCATGATGCAGTA
CTGGACAACGTACTTTATGCACGTGCATATACTAGTGAACATCAGATGGAGCTACTTGATTATGTAGCA
GCAAAGTTCCAATGAAGAAGCTGGCATCTTCAAGCTATTGATTATCGATTCAATAATGGCACTTTTTCGA
GTGGATTTCAAGTGGCCGTGGGGAGTTGGCCGACGCAAAAATTGGCCAGATGTTGTCACGACTC
CAAAAAATCTCAGAAGAATATAACGTGGCTGTTTTTGTGACCAATCAAATGACTGCCGATCCAGGAGCA
ACTATGACCTTTCAGGCAGATCCCAAAAACCCATTGGGGACACATTCTGGCTCATGCTCAACAACA
AGAATAAGCTTGGCAAAGGGAAGAGGAGAGCTCAGAATTGCCAAGATTTATGACAGTCTTGAGATGCCT
GAAAATGAAGCCACCTTCGCAATAACTGCTGGAGGAATTGGGGATGCCAAGGAGTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
Plasmid Map:	<input type="checkbox"/>
ACCN:	NM_007068



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Insert Size:	1023 bp
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	NM_007068.3
RefSeq Size:	2281 bp
RefSeq ORF:	1023 bp
Locus ID:	11144
UniProt ID:	Q14565
Cytogenetics:	22q13.1
Protein Families:	Druggable Genome
MW:	37.7 kDa
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 (1) represents the longest transcript and encodes the longer isoform (1).</p>