

Recombinant Full Length Human DMC1 Protein, C-Flag-tagged

Cat. No. DMC1-1309HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human DMC1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	37.5 kDa
AA Sequence	MKEDQVVAEEPFGFQDEEESLFQDIDLLQKHGINVADIKKLKSVGICTIKGIQMTTRRA LCNVKGLSEAKV D KIKEAANKLIEPGFLTAFEYSEKRKMVFHITTGSQEFDKLLGGGI ESMAITEAFGEFRTGKTQLSHTLC VTAQLPGAGGYPGGKIIFIDENTENTFRPDRLRDIA DRFNVDHDAVLNDNLYARAYTSEHQMELLDYVAAKF HEEAGIFKLLIIDSIMALFRVD FSGRGELAERQQKLAQMLSRLQKISEEYNVAVFVTNQMTADPGATMTF QADPKKPIGGHILAHASTTRISLRKGRGELRIAKIYDSEMPENEATFAITAGGIGDAK ETRTRPLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Full Length	Full L.

GENE INFORMATION

Gene Name	DMC1 DNA meiotic recombinase 1 [Homo sapiens (human)]
Official Symbol	DMC1
Synonyms	DMC1H; LIM15; dJ199H16.1
Gene ID	11144
mRNA Refseq	NM_007068.4
Protein Refseq	NP_008999.2
MIM	602721

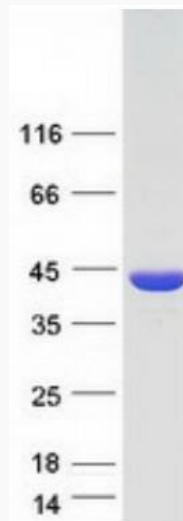
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UniProt ID

Q14565



Coomassie blue staining of purified DMC1 protein.

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