Recombinant Human DMC1 Protein, GST-tagged

Cat. No. DMC1-2703H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DMC1 partial ORF (NP_008999, 237 a.a. - 339 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq, May 2013]
Molecular Mass	37.07 kDa
AA Sequence	GELAERQQKLAQMLSRLQKISEEYNVAVFVTNQMTADPGATMTFQADPKKPIGGHIL AHASTTRISLRKGRGELRIAKIYDSPEMPENEATFAITAGGIGDAK
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.

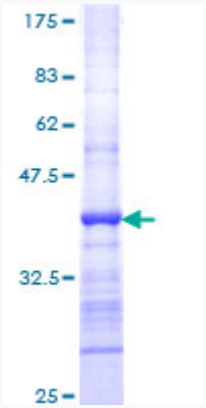
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Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	DMC1 DMC1 dosage suppressor of mck1 homolog, meiosis-specific homologous recombination (yeast) [Homo sapiens]
Official Symbol	DMC1
Synonyms	DMC1; DMC1 dosage suppressor of mck1 homolog, meiosis-specific homologous recombination (yeast); DMC1 (dosage suppressor of mck1, yeast homolog) meiosis specific homologous recombination; meiotic recombination protein DMC1/LIM15 homolog; LIM15; DMC1 homologue; disrupted meiotic cDNA1, yeast, homolog of; DMC1H; HsLim15; dJ199H16.1; MGC150472; MGC150473;
Gene ID	11144
mRNA Refseq	NM_007068
Protein Refseq	NP_008999
MIM	602721
UniProt ID	Q14565

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Quality Control Testing	 12.5% SDS-PAGE Stained with Coomassie Blue.

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