# Recombinant Human DMC1, GST-tagged

**Cat. No.** DMC1-12035H **Lot. No.** (See product label)

## SPECIFICATION

| | |
|---|---|
| **Product Overview** | Recombinant Human DMC1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose. |
| **Species** | Human |
| **Source** | E.coli |
| **ProteinLength** | 1-165a.a. |
| **Description** | The protein encoded by this gene is essential for meiotic homologous recombination. Genetic recombination in meiosis plays an important role in generating diversity of genetic information. The product of this gene is structurally and evolutionary related to the products of the yeast RAD51 and E. coli RecA genes. Alternative splice variants of this gene have been described but their full-length nature has not been determined. |
| **Storage** | The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles. |
| **Storage Buffer** | 1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100,15%glycerol. |

## GENE INFORMATION

| | |
|---|---|
| **Gene Name** | DMC1 DMC1 dosage suppressor of mck1 homolog, meiosis-specific homologous recombination (yeast) [ Homo sapiens ] |

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

| | |
|---|---|
| **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 |
| **Chromosome Location** | 22q13.1 |
| **Pathway** | Meiosis, organism-specific biosystem; Meiotic Recombination, organism-specific biosystem; Ovarian Infertility Genes, organism-specific biosystem; |
| **Function** | ATP binding; DNA binding; DNA-dependent ATPase activity; nucleoside-triphosphatase activity; nucleotide binding; protein binding; |

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA