

Recombinant Mouse Mcm3 Protein, Myc/DDK-tagged

Cat. No. Mcm3-3996M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length minichromosome maintenance deficient 3 (S, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Acts as component of the MCM2-7 complex (MCM complex) which is the putative replicative helicase essential for 'once per cell cycle' DNA replication initiation and elongation in eukaryotic cells. The active ATPase sites in the MCM2-7 ring are formed through the interaction surfaces of two neighboring subunits such that a critical structure of a conserved arginine finger motif is provided in trans relative to the ATP-binding site of the Walker A box of the adjacent subunit. The six ATPase active sites, however, are likely to contribute differentially to the complex helicase activity. Required for DNA replication and cell proliferation.
Molecular Mass	91.5 kDa
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 after receiving vials.

 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

Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Mcm3 minichromosome maintenance complex component 3 [Mus musculus (house mouse)]

Official Symbol Mcm3

Synonyms Mcm3; minichromosome maintenance complex component 3; P; P1; p1.; Mcmd; p1.m; C80350; P1-MCM3; AL033361; DNA replication licensing factor MCM3; DNA polymerase alpha holoenzyme-associated protein P1; mini chromosome maintenance deficient; minichromosome maintenance deficient 3; EC 3.6.4.12

Gene ID 17215

mRNA Refseq NM_008563

Protein Refseq NP_032589

UniProt ID P25206

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