

Recombinant Mouse Mcm7 Protein, Myc/DDK-tagged

Cat. No. Mcm7-3998M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length minichromosome maintenance complex component 7 (Mcm7), 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 S-phase checkpoint activation upon UV-induced damage.
Molecular Mass	81.2 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.

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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 [Mcm7 minichromosome maintenance complex component 7 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Mcm7](#)

Synonyms MCM7; minichromosome maintenance deficient 7 (*S. cerevisiae*); DNA replication licensing factor MCM7; CDC47 homolog; mini chromosome maintenance deficient 7; Mcmd7; mCDC47; AI747533

Gene ID [17220](#)

mRNA Refseq [NM_008568](#)

Protein Refseq [NP_032594](#)

UniProt ID [Q61881](#)

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