Recombinant Mouse Mcm6 Protein, Myc/DDK-tagged

Cat. No. Mcm6-3997M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length minichromosome maintenance complex component 6 (Mcm6), 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.
Molecular Mass	92.9 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	Mcm6 minichromosome maintenance complex component 6 [Mus musculus (house mouse)]
Official Symbol	Mcm6
Synonyms	MCM6; minichromosome maintenance deficient 6 (MIS5 homolog, S. pombe) (S. cerevisiae); DNA replication licensing factor MCM6; mis5 homolog; mini chromosome maintenance deficient 6; Mcmd6; ASP-l1; D1Wsu22e
Gene ID	17219
mRNA Refseq	NM_008567
Protein Refseq	NP_032593
UniProt ID	P97311

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