

Recombinant Human MCM6 protein, His-tagged

Cat. No. MCM6-3398H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MCM6 protein(471-821 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	471-821 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole.
AASequence	VAIHEAMEQQTISITKAGVKATLNARTSILAAANPISGHYDRSKSLKQINLSAPIMSRF DLFFILVDECNEVTDYAIARRIVDLHSRIEESIDRVYSLDDIRRYLLFARQFKPKISKES EDFIVEQYKHLRQRDGSVTKSSWRITVRQLESMIRLSEAMARMHCCDEVQPKHVK EAFRLNKSII RVETPDVNLDQEEIIQMEVDEGAGGINGHADSPAPVNGINGYNEDIN QESAPKASLRLGFSEYCRISNLIVLHLRKVEEEEDESALKRSELVNWYLKEIESEIDSE EELINKKRIIEKVIHRLTHYDHVLIELTQAGLKGSTEGSESYEEDPYLVVNPNYLLED
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 12 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid

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repeat freeze-thaw cycles.

Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name

MCM6 minichromosome maintenance complex component 6 [Homo sapiens]

Official Symbol

MCM6

Synonyms

MCM6; minichromosome maintenance complex component 6; MCM6 minichromosome maintenance deficient 6 (MIS5 homolog, S. pombe) (S. cerevisiae) , minichromosome maintenance deficient (mis5, S. pombe) 6 , minichromosome maintenance deficient 6 homolog (S. cerevisiae); DNA replication licensing factor MCM6; Mis5; MIS5 homolog (S.pombe); MIS5 homolog; minichromosome maintenance deficient 6 homolog; minichromosome maintenance deficient (mis5, S. pombe) 6; MCM6 minichromosome maintenance deficient 6 (MIS5 homolog, S. pombe); P105MCM; MCG40308;

Gene ID

4175

mRNA Refseq

NM_005915

Protein Refseq

NP_005906

MIM

601806

UniProt ID

Q14566

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SDS-PAGE