

Recombinant Human MCM6 Protein, GST-tagged

Cat. No. MCM6-4519H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MCM6 full-length ORF (NP_005906.2, 1 a.a. - 821 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	The protein encoded by this gene is one of the highly conserved mini-chromosome maintenance proteins (MCM) that are essential for the initiation of eukaryotic genome replication. The hexameric protein complex formed by the MCM proteins is a key component of the pre-replication complex (pre_RC) and may be involved in the formation of replication forks and in the recruitment of other DNA replication related proteins. The MCM complex consisting of this protein and MCM2, 4 and 7 proteins possesses DNA helicase activity, and may act as a DNA unwinding enzyme. The phosphorylation of the complex by CDC2 kinase reduces the helicase activity, suggesting a role in the regulation of DNA replication. [provided by RefSeq]
Molecular Mass	119.3 kDa
AA Sequence	MDLAAAEPGAGSQHLEVRDEVAEKCQKLFDFLEEFQSSDGEIKYLQLAEELIRPE RNTLVVSFVDLEQFNQQLSTTIQEEFYRVYPYLCRAKTFVKDRKEIPLAKDFYVAFQ DLPTRHKIRELTSSRIGLLTRISGQVVRTHPVHPELVSGTFLCLDCQTVIRDVEQQFK YTQPNICRNPVCANRRRFLDNTNKSFRVDFQKVRIQETQAELPRGSIPRSLEVILRAE AVESAQAGDKCDFTGTLIVPDVSKLSTPGARAETNSRVSGVDGYETEGIRGLRALG

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VRDLSYRLVFLACCVAPTNPFRFGGKELRDEEQTAESIKNQMTVKEWEKVFEMSQDK
 NLYHNLCTSLFPTIHGNDEVKRGVLLMLFGGVPKTTGEGTSLRGDINVCIVGDPSTA
 KSQFLKHVEEFSPRAVYTSKGASSAAGLTAAVVRDEESHEFVIEAGALMLADNGVC
 CIDEFDKMDVRDQVAIHEAMEQQTISITKAGVKATLNARTSILAAANPISGHYDRSKSL
 KQNINLSAPIMSRFDLFFILVDECNEVTDYAIARRIVDLHSRIEESIDRVYSLDDIRRYLL
 FARQFKPKISKESEDFIVEQYKHLRQRDGSVTKSSWRITVRQLESMIRLSEAMARM
 HCCDEVQPKHVKEAFRLNKSIIRVETPDVNLQEEEEIQMEVDEGAGGINGHADSPA
 PVNGINGYNEDINQESAPKASRLRGFSEYCRISNLIVLHLRKVEEEEDESALKRSELV
 NWYLKEIESEIDSEEELINKKRIIEKVIHRLTHYDHVLIELTQAGLKGSTEGSESYEEDP
 YLVVNPNYLLED

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

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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

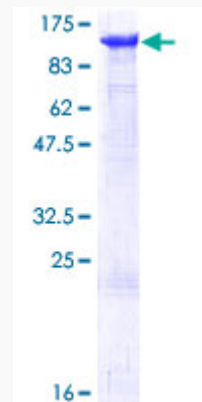
mRNA Refseq NM_005915

Protein Refseq NP_005906

MIM 601806

UniProt ID Q14566

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue

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