

Recombinant Full Length Human MCM6 Protein, GST-tagged

Cat. No. MCM6-6071HF **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	In Vitro Cell Free System
ProteinLength	821 amino acids
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	MDLAAAAEPGAGSQHLEVRDEVAEKCQKFLDFLEEFQSSDGEIKYLQLAEELIRPE RNTLVVSFVDLEQFNQQLSTTIQEEFYRVYPYLCRALKTFVKDRKEIPLAKDFYVAFQ DLPTRHKIRELTSSRIGLLTRISGQVVRTHPVHPELVSGTFLCLDCQTVIRDVEQQFK YTQPNICRNPVCANRRRFLD TNKSRFVDFQKVRIQETQAELPRGSIPRSLEVILRAE

 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

AVESAQAGDKCDFTGTLIVVPDVSKLSTPGARAETNSRVSGVDGYETEGIRGLRALG
VRDLSYRLVFLACCVAPTNPFRGGKELRDEEQTAESIKNQMTVKEWEKVFEMSQDK
NLYHNLCTSLFPTIHGNDEVKRGVLLMLFGGVPKTTGEGTSLRGDINVCIVGDPSTA
KSQFLKHVEEFSPRAVYTSKGASSAAGLTAAVVRDEESHEFVIEAGALMLADNGVC
CIDEFDKMDVRDQVAIHEAMEQQTISITKAGVKATLNARTSILAAANPISGHYDRSKSL
KQNINLSAPIMSRFDLFFILVDECNEVTDYAIARRIVDLHSRIEESIDRVYSLDDIRRYLL
FARQFKPKISKESEDFIVEQYKHLRQRDGGSGVTKSSWRITVRQLESMIRLSEAMARM
HCCDEVQPKHVKEAFRLLNKSIIRVETPDVNLQEEEEIQMEVDEGAGGINGHADSPA
PVNGINGYNEDINQESAPKASRLRGFSEYCRISNLIVLHLRKVEEEEEDESALKRSELV
NWYLKEIESEIDSEELINKKRIIEKVIHRLTHYDHVLIELTQAGLKGSTEGSESYEEDP
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) ,

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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