

Recombinant Full Length Human MCM6 Protein

Cat. No. MCM6-299HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human MCM6 (aa 1-821) with N-terminal proprietary tag, 116.38 kDa.
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.
Form	Liquid
Molecular Mass	116.380kDa inclusive of tags
AA Sequence	MDLAAAAEPGAGSQHLEVRDEVAEKCQKLFDFLEEFQSS DGEIKYLQLAEELIRPE RNTLVVSFVDLEQFNQQLSTTIQ EEFYRVYPYLCRAKTFVKDRKEIPLAKDFYVAF

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QDLPTR HKIRELTSSRIGLLTRISGQVVRTHPVHPELVSGTFLCLD CQTVIRDVEQQ
 FKYTQPNICRNPVCANRRRFLDNTNKSFR VDFQKVRIQETQAEIPRGSIPRSLEVILR
 AEAVESAQAGD KCDFTGTLIVVPDVSKLSTPGARAETNSRVSGVDGYETEG IRGLR
 ALGVRDLSYRLVFLACCVAPTNPFRGGKELRDEEQ TAESIKNQMTVKEWEKVFEM
 SQDKNLYHNLCTSLFPTIHG NDEVKRGVLLMLFGGVPKTTGEGTSLRGDINVCIVGD
 PST AKSQFLKHVEEFSPRAVYTSKGASSAAGLTAAVVRDEESH EFVIEAGALMLAD
 NGVCCIDEFDKMDVRDQVAIHEAMEQQ TISITKAGVKATLNARTSILAAANPISGHYD
 RSKSLKQNI NLSAPIMSRFDLFFILVDECNEVTDYAIARRIVDLHSRIE ESIDRVYSLD
 DIRRYLLFARQFKPKISKESEDFIVEQYKH LRQRDGSVGTKSSWRITVRQLESMIRLS
 EAMARMHCCDEV QPKHVKEAFRLLNKSIIRVETPDVNLQEEEEIQMEVDEGA GGIN
 GHADSPAPVNGINGYNEDINQESAPKASRLGFSEY CRISNLIVLHLRKVEEEEDES
 ALKRSELVNWYLKEIESEI DSEEELINKKRIIEKVIHRLTHYDHVLIELTQAGLKGSTE
 GSESYEEDPYLVVNPNYLLED

Purity Proprietary Purification

Storage Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

Storage Buffer pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

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. cer

Gene ID 4175

mRNA Refseq NM_005915

Protein Refseq NP_005906

MIM 601806

UniProt ID Q14566

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