

Recombinant Full Length Human MCM7 Protein

Cat. No. MCM7-300HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human MCM7 with N terminal proprietary tag; Predicted MWt 68.90 kDa.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	389 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 6 proteins possesses DNA helicase activity, and may act as a DNA unwinding enzyme. Cyclin D1-dependent kinase, CDK4, is found to associate with this protein, and may regulate the binding of this protein with the tumorsuppressor protein RB1/RB. Alternatively spliced transcript variants encoding distinct isoforms have been reported.
Form	Liquid
Molecular Mass	68.900kDa inclusive of tags
AA Sequence	MALKDYALEKEKVKKFLQEFYQDDELGKKQFKYGNQLVRL AHREQVALYVDLDDV

 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

AEDDPPELVDSICENARRYAKLFADA VQELLQPQKEREVVNKDVLVDVYIEHRLMMEQ
 RSRDPGMVR SPQNQYPAELMRRFELYFQGPSSSKPRVIREVRADSVGKL VTVRGI
 VTRVSEVKPKMVVATYTCDCGAETYQPIQSPTF MPLIMCPSQECQTNRS GGRLYL
 QTRGSRFIKFQEMKMQEH SDQVPVGNIPRSITVLVEGENTRIAQPGDHVSVTGIFLPI
 LRTGFRQVVQGLLSETYLEAHRIVKMNKSEDDESGAGELT REELRQIADVIFATVRE
 LVSGGRSVRFSEAEQRCVSRGFT PAQFQAALDEYEELNVWQVNASRTRITFV

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 [MCM7 minichromosome maintenance complex component 7 \[Homo sapiens \]](#)

Official Symbol [MCM7](#)

Synonyms MCM7; minichromosome maintenance complex component 7; MCM2, MCM7 minichromosome maintenance deficient 7 (S. cerevisiae) , minichromosome maintenance deficient (S. cerevisiae) 7; DNA replication licensing factor MCM7; CDC47

Gene ID [4176](#)

mRNA Refseq [NM_005916](#)

Protein Refseq [NP_005907](#)

 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

MIM	600592
-----	--------

UniProt ID	P33993
------------	--------

 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