



Recombinant Rat DNA replication licensing factor MCM6 (Mcm6)

Product Code	CSB-EP733838RA-B
Abbreviation	Mcm6
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q62724
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	≥85% (SDS-PAGE)
Sequence	LRDEEQTAES IKNQMTVKEW EKVFE MSQDQ NLYHNLCTSL FPTIHGNDEV KRGVLLMLFG GVPKTTGEGT SLRGDINVC I VGDPSTAKSQ FLKHVDEFSP RAVYTSGBKAS SASGLTAAVV RDEESHEFVI EAGALMLADN GVCCIDEFDK MDMRDQVAIH EAMEQQTISI TKAGVKATLN ARTSILAAAN PVSGHYDRSK SLKQNINLSA PIMSRFDLFF ILVDECNEVT DYAIARRIVD LHSRIEESID RVYSLDDIRR YLLFARQFKP KISKESEDFI VEQYKRLRQR DGSGITKSSW RITVRQLESM IRLSESMARM HCCDEVQPKH VKEAFRLLNK SIIRVETPDV NLDQEEEEIQM ETDEGPGGIN GHADSPAPVN GFNGSGEDAS QETVPKPSLR LAFAYCRIS NLIVLHLRKM EEEEDESALK RSELVNWYLK EIESEIDSEE ELINKKRIIE KVVHRLTHYD HVLIELTQAG LKGSSEGSSES YEEDPYLVVN PNYLLED
Source	E.coli
Target Names	Mcm6
Protein Names	Recommended name: DNA replication licensing factor MCM6 EC= 3.6.4.12 Alternative name(s): Intestinal DNA replication protein
Expression Region	1-507
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	This protein 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.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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