Recombinant Human DNA replication licensing factor MCM7 (MCM7)

Product Code	CSB-YP013597HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P33993
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	ALKDYALEK EKVKKFLQEF YQDDELGKKQ FKYGNQLVRL AHREQVALYV DLDDVAEDDP ELVDSICENA RRYAKLFADA VQELLPQYKE REVVNKDVLD VYIEHRLMME QRSRDPGMVR SPQNQYPAEL MRRFELYFQG PSSNKPRVIR EVRADSVGKL VTVRGIVTRV SEVKPKMVVA TYTCDQCGAE TYQPIQSPTF MPLIMCPSQE CQTNRSGGRL YLQTRGSRFI KFQEMKMQEH SDQVPVGNIP RSITVLVEGE NTRIAQPGDH VSVTGIFLPI LRTGFRQVVQ GLLSETYLEA HRIVKMNKSE DDESGAGELT REELRQIAEE DFYEKLAASI APEIYGHEDV KKALLLLLVG GVDQSPRGMK IRGNINICLM GDPGVAKSQL LSYIDRLAPR SQYTTGRGSS GVGLTAAVLR DSVSGELTLE GGALVLADQG VCCIDEFDKM AEADRTAIHE VMEQQTISIA KAGILTTLNA RCSILAAANP AYGRYNPRRS LEQNIQLPAA LLSRFDLLWL IQDRPDRDND LRLAQHITYV HQHSRQPPSQ FEPLDMKLMR RYIAMCREKQ PMVPESLADY ITAAYVEMRR EAWASKDATY TSARTLLAIL RLSTALARLR MVDVVEKEDV NEAIRLMEMS KDSLLGDKGQ TARTQRPADV IFATVRELVS GGRSVRFSEA EQRCVSRGFT PAQFQAALDE YEELNVWQVN ASRTRITFV
Source	Yeast
Target Names	MCM7
Protein Names	Recommended name: DNA replication licensing factor MCM7 EC= 3.6.4.12 Alternative name(s): CDC47 homolog P1.1-MCM3
Expression Region	2-719
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 of Mature 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 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.
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	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.