



Recombinant Mouse DNA replication licensing factor MCM7 (Mcm7)

Product Code	CSB-MP737046MO
Abbreviation	Mcm7
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.	Q61881
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	ALKDYAIEK EKVKKFLQEF YYENELGKKQ FKYGTQLVHL AHREQVALYV DLDDIAEDDP ELVDSICENA KRYSRLFGDV VQELLPEYKE KEVVNKDVLD VYIEHRLMME QRSRDPGAVR NPQNQYPSEL MRRFELYFRG PSSSKPRVIR EVRADSVGKL LTVRGIVTRV SEVKPRMVVA TYTCDQCGAE TYQPIQSPTF MPLIMCPSQE CQTNRS GGRL YLQTRGSKFV KFQEMKIQEH SDQVPVGNIP RSITVVLEGE NTRIAQPGDH VSVTGIFLPV LRTGFQQMAQ GLLSETYLEA HWIVKMTKSD DDVSGAGELS SEELKQIAEE DFYEKLAASI APEIYGHEDV KKALLLLL VG GVDQSPQGMK IRGNIHICLM GDPGVAKS QL LSYIDRLAPR SQYTTGRGSS GVGLTAAVLR DSVSGELTLE GGALVLADQG VCCIDEFDKM AEADRTAIHE VMEQQTISIA KAGILTTLNA RCSILAAANP AYGRYNPRRS LEQNVQLPAA LLSRFDLLWL IQDRPDRDND LRLAQHITYV HQHSRQPPAQ FEPLDMKLMR RYIAMCHERQ PTVPESLADY ITAAYVEMRR EARASKDATY TSARTLLAIL RLSTALARLR MVDIVEKEDV NEAIRLMEMS KDSLLGEKGGQ TARTQRPADV IFATIRELVS RGRSVHFSEA EQRCISRGFT PAQFQAALDE YEELNVWQVN TSRTRITFV
Source	Mammalian cell
Target Names	Mcm7
Protein Names	Recommended name: DNA replication licensing factor MCM7 EC= 3.6.4.12 Alternative name(s): CDC47 homolog
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

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