



Recombinant Mouse DNA replication licensing factor MCM5 (Mcm5)

Product Code	CSB-MP013595MO
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P49718
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	SGFDDPGIF YSDSFGGDPG AEEGQARKSQ LQRRFKEFLR QYRVGTDRTG FTFKYRDELK RHYNLGEYWI EVEMEDLASF DEELADHLHK QPAEHLQLE EAAKEVADEV TRPRPAGDEL LQDIQVMLKS DASPSSIRIL KSDMMSHLVK IPGIIISASA VRAKATRISI QCRSCHNTLT NIAMP RPRGL CLPRKCNMDQ AGRPKCPLDP YFIMPDKCKC VDFQTLKLQE LPDAVPHGEM PRHMQLYCDR YLCDKVVPGN RVTIMGIYSI KKFGLNPSKG RDRVGVGIRS SYIRVLGIQV DTDGSGRSFA GSVSPQEEEE FRRLAALPNI YELISKSISP SIFGGMDMKK AIACLLFGGS RKRLPDGLTR RGDINLLMLG DPGTAKSPLL KFVEKCSPIG VYTSKGKSSA AGLTASVIRD PSSRN FIMEG GAMVLADGGV VCIDEFDKMR EDDRVAIHEA MEQQTISIAK AGITTTLSNR CSVLAAANSV FGRWDETKGE DNIDFMPTIL SRFDMIFIVK DEHNEERDMM LAKHVMTLHV SALTQTQAVE GEIDLAKMKK FIAYCRARCG PRLSAAEAEK LKNRYIIMRS GARQHERDSD RRSSIPITVR QLEAIVRIAE ALSKMKLQPF ATEADVEEAL RLFQVSTLDA ALSGNLSGVE GFTTQEDQEM LSRIEKQLKR RFAIGSQVSE HSIVQDFTKQ KYPEHAIRKV LQLMLRRGEI QHRMQRKVLVY RLK
Source	Mammalian cell
Target Names	Mcm5
Protein Names	Recommended name: DNA replication licensing factor MCM5 EC= 3.6.4.12 Alternative name(s): CDC46 homolog P1-CDC46
Expression Region	2-733
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 structurally very similar to the CDC46 protein from <i>S. cerevisiae</i> , a protein involved in the initiation of DNA replication. The encoded protein is a member of the MCM family of chromatin-binding proteins and can interact with at least two other members of this family. The encoded protein is upregulated in the transition from the G0 to G1/S phase of the cell cycle and may actively participate in cell cycle regulation.
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.