



Recombinant Human DNA replication licensing factor MCM5 (MCM5)

Product Code	CSB-MP013595HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P33992
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	SGFDDPGIF YSDSFGGDAQ ADEGQARKSQ LQRRFKEFLR QYRVGTDRTG FTFKYRDELK RHYNLGEYWI EVEMEDLASF DEDLADYLYK QPAEHLQLE EAAKEVADEV TRPRPSGEEV LQDIQVMLKS DASPSSIRSL KSDMMSHLVK IPGIIAASA VRAKATRISI QCRSCRNTLT NIAMRPGLEG YALPRKCNTD QAGRPKCLD PYFIMPDKCK CVDFQTLKLQ ELPDAVPHGE MPRHMQLYCD RYLCDKVVPG NRVTIMGIYS IKKFGTTSR GRDRVGVGIR SSIYRVLGIQ VDTDGSGRSF AGAVSPQEEE EFRRLAALPN VYEVISKSIA PSIFGGTDMK KAIACLLFGG SRKRLPDGLT RRGDINLLML GDPGTAKSQL LKFVEKCSPI GVYTSGKGGSS AAGLTASVMR DPSSRNFINE GGAMVLADGG VVCIDEFDKM REDDRVAIHE AMEQQTISIA KAGITTLNS RCSVLAAANS VFGRWDETKG EDNIDFMPTI LSRFDMIFIV KDEHNEERDV MLAKHVITLH VSALTQTQAV EGEIDLAKLK KFIAYCRVKC GPRLSAEAAE KLKNRYIIMR SGARQHERDS DRRSSIPITV RQLEAIVRIA EALSKMKLQP FATEADVEEA LRLFQVSTLD AALSGTLSGV EGFTSQEDQE MLSRIEKQLK RRFAIGSQVS EHSIIKDFTK QKYPEHAIHK VLQLMLRRGE IQHRMQRKVL YRLK
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	2-734
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.