



Recombinant Human DNA replication licensing factor MCM5 (MCM5)

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| Product Code | CSB-EP013595HU |
| 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 QAGRPKCPLD PYFIMPDKCK CVDFQTLKLQ ELPDAVPHGE MPRHMQLYCD RYLCDKVVPG NRVTIMGIYS IKKFGLTTSR GRDRVGVGIR SSIYRVLGIQ VDTDGSGRSF AGAVSPQEEE EFRRLAALPN VYEVISKSIA PSIFGGTDMK KAIACLLFGG SRKRLPDGLT RRGDINLLML GDPGTAKSQL LKFVEKCSPI GVYTSGKGGSS AAGLTASVMR DPSSRNFIME GGAMVLADGG VVCIDEFDKM REDDRVAIHE AMEQQTISIA KAGITTTLNS 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 | E.coli |
| 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.