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32-4187: Recombinant Human Minichromosome Maintenance Complex Component 7

Alternative Name :	Minichromosome Maintenance Complex Component 7,MCM7 Minichromosome Maintenance Deficient 7 (S. Cerevisiae),Minichromosome Maintenance Deficient (S. Cerevisiae) 7,DNA Replication Licensing Factor MCM7,Homolog of S. Cerevisiae Cdc47,CDC47 Homolog,

Description

Source : Escherichia Coli. MCM7 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 437 amino acids (1-414) and having a molecular mass of 48.6 kDa. MCM7 is fused to a 23 amino acid His-tag at N-terminus. MCM7 is a highly conserved mini-chromosome maintenance protein (MCM) vital for eukaryotic genome replication initiation. The MCM proteins form a hexameric protein complex which is a key component of the pre-replication complex (pre_RC) which takes part in replication forks formation and in DNA replication related proteins recruitment. The MCM complex is comprised of MCM2, 4, 6 and 7 proteins and possesses DNA helicase activity, such as DNA unwinding.

Product Info

Amount :	20 µg
Purification :	Greater than 85% as determined by SDS-PAGE.
Content :	The MCM7 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSMVVATYT CDQCGAETYQ PIQSPTFMPL IMCPSQECQT NRSGGRLYLQ TRGSRFIKFQ EMKMQEHSDQ VPVGNIPRSI TVLVEGENTR IAQPGDHVSV TGIFLPILRT GFRQVVQGLL SETYLEAHRI VKMNKSEDDE SGAGELTREE LRQIAEEDFY EKLAASIAPE IYGHEDVKKA LLLLLVGGVD QSPRGMKIRG NINICLMGDP GVAKSQLLSY IDRLAPRSQY TTGRGSSGVG LTAAVLRDSV SGELTLEGGA LVLADQGVCC IDEFDKMAEA DRTAIHEVME QQTISIAKAG ILTTLNARCS ILAAANPAYG RYNPRRSLEQ NIQLPAALLS RFDLLWLIQD RPDRDNDLRL AQHITYVHQH SRQPPSQFEP LDMKLMRRYI AMCREKQPMV PESLADYITA AYVEMRR

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