

DNA replication licensing factor MCM2 Recombinant Protein | MCM2 recombinant protein

Recombinant Human DNA replication licensing factor MCM2 (MCM2)

CATALOG # AAA18445	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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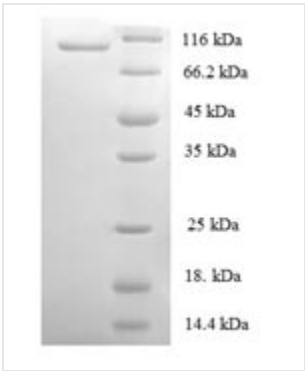
PRODUCT SYNONYMS

DNA replication licensing factor MCM2; Recombinant Human DNA replication licensing factor MCM2 (MCM2); Minichromosome maintenance protein 2 homolog; Nuclear protein BM28; MCM2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	2-904aa; Full Length of Mature Protein
Sequence	AESSESFTMA SSPAQRRRGN DPLTSSPGRS SRRTDALTSS PGRDLPPFED ESEGLLGTEG PLEEEEDGEE LIGDGMERDY RAIPELDAYE AEGLALDDED VEELTASQRE AAERAMRQRD REAGRGLGRM RRGLLYDSDE EDEERPARKR RQVERATEDG EEDEEMIESI ENLEDLKGHS VREWVSMAGP RLEIHHRFKN FLRTHVDSHG HNVFKERISD MCKENRESLV VNYEDLAARE HVLAYFLPEA PAELLQIFDE AALEVVLAMY PKYDRITNHI HVRISHLPLV EELRSLRQLH LNQLIRTSGV VTSTGVLPQ LSMVKYCNK CNFVLGPFCQ SQNQEVKPGS CPECQSAGPF EVNMEETIYQ NYQRIRIQES PGKVAAGRLP RSKDAILLAD LVDSCKPGDE IELTGIYHNN YDGSNTANG FPFVATVILA NHVAKKDNKV AVGELTDEDV KMITSLSKDQ QIGEKIFASI APSIYGHEDI KRGLALALFG GEPKNPGGKH KVRGDINVLL CGDPGTAKSQ FLKYIEKVSS RAIFTTGQGA SAVGLTAYVQ RHPVSREWTL EAGALVLADR GVCLIDEFDK MNDQDRTSIH EAMEQQSISI SKAGIVTSLQ ARCTVIAAAN PIGGRYDPSL TFSENVDLTE PIISRFDILC VVRDVTDPVQ DEMLARFVVG SHVRHHPNSK EEEGLANGSA AEPAMPNTYG VEPLPQEVK KYIYAKERV HPKLNQMDQD KVAKMYSDLR KESMATGSIP ITVRHIESMI RMAEAHARIH LRDYVIEDDV NMAIRVMLES FIDTQKFSVM RSMRKTFARY LSFRRDNNEL LLFILKQLVA EQVTYQRNRF GAQQDTIEVP EKDLVDKARQ INIHNLSAFY DSELFMRNKF SHDLKRKMIL QQF
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for MCM2 recombinant protein	Acts as component of the MCM2-7 complex (MCM complex) which is the putative replicative helicase essential for 'once per cell cycle' DNA replication initiation and elongation in eukaryotic cells. The active ATPase sites in the MCM2-7 ring are formed through the interaction surfaces of two neighboring subunits such that a critical structure of a conserved arginine finger motif is provided in trans relative to the ATP-binding site of the Walker A box of the adjacent subunit. The six ATPase active sites, however, are likely to contribute differentially to the complex helicase activity. Required for the entry in S phase and for cell division.
Product Categories/Family for MCM2 recombinant protein	Cell Cycle
References	A human nuclear protein with sequence homology to a family of early S phase proteins is required for entry into S phase and for cell division.Todorov I.T., Pepperkok R., Philipova R.N., Kearsey S.E., Ansorge W., Werner D.J. Cell Sci. 107:253-265(1994)

NCBI AND UNIPROT INFORMATION

NCBI GI #	33356547
NCBI GeneID	4171
NCBI Accession #	NP_004517.2
NCBI GenBank Nucleotide #	NM_004526.3
UniProt Accession #	P49736; Q14577; Q15023; Q8N2V1; Q969W7; Q96AE1; Q9BRM7
Molecular Weight	105.8 kDa
NCBI Official Full Name	DNA replication licensing factor MCM2
NCBI Official Synonym Full Names	minichromosome maintenance complex component 2
NCBI Official Symbol	MCM2
NCBI Official Synonym Symbols	BM28; CCNL1; CDCL1; cdc19; D3S3194; MITOTIN
NCBI Protein Information	DNA replication licensing factor MCM2
UniProt Protein Name	DNA replication licensing factor MCM2
UniProt Gene Name	MCM2
UniProt Synonym Gene Names	BM28; CCNL1; CDCL1; KIAA0030
UniProt Entry Name	MCM2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/mcm2-recombinant-protein-e-coli/18445>