

Recombinant Full Length Human MCM8 Protein, GST-tagged

Cat. No. MCM8-6085HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MCM8 full-length ORF (BAG37214.1, 1 a.a. - 840 a.a.) recombinant protein with GST tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	840 amino acids
Description	The protein encoded by this gene is one of the highly conserved mini-chromosome maintenance proteins (MCM) that are essential for the initiation of eukaryotic genome replication. The hexameric protein complex formed by the MCM proteins is a key component of the pre-replication complex (pre_RC) and may be involved in the formation of replication forks and in the recruitment of other DNA replication related proteins. This protein contains the central domain that is conserved among the MCM proteins. This protein has been shown to co-immunoprecipitate with MCM4, 6 and 7, which suggests that it may interact with other MCM proteins and play a role in DNA replication. Alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq]
Molecular Mass	118.8 kDa
AA Sequence	MNGEYRGRGFGRGRFQSWKRGRGGGNFSGKWRERERHPDLSKTTGKRTSEQTP QFLLSTKTPQSMQSTLDRFIPYKGWKLYFSEVYSDSSPLIEKIQAFEKFFTRHIDLYDK DEIERKGSILVDFKELTEGGEVTNLIPDIATELRDAPEKTLACMGLAIHQVLTDLERH

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AAELQAQEGLSNDGETMVNVPHIHARVYNYEPLTQLKNVRANYYGKYIALRGTVVR
 VSNIKPLCTKMAFLCAACGEIQSFPLPDGKYS�PTKCPVPVCRGRSFTALRSSPLTVT
 MDWQSIKIQELMSDDQREAGRIPRTIECELVHDLVDSCVPGDVTITGIVKVSNAEEG
 SRNKNDKCMFLLYIEANSISNSKGQKTKSSEDGCKHGMLEFSLKDLYAIQEIQAEE
 NLFKLIVNSLCPVIFGHELVKAGLALALFGGSQKYADDKNRIPRGDPHILVVGDPGLG
 KSQMLQAACNVAPRGVYVCGNTTTTSGLTVTLSKDSSSGDFALEAGALVLGDQGIC
 GIDEFDKMGNQHQALLEAMEQQSISLAKAGVVCSLPARTSIIAAANPVGGHYNKAKT
 VSENLMKGSALLSRFDLVFILLDTPNEHHDHLLSEHVIAIRAGKQRTISSATVARMNS
 QDSNTSVLEVSEKPLSERLKVVPGETIDPIPHQLLRKYIGYARQYVYPRLSTEAAARV
 LQDFYLELRKQSQRNLSSPITTRQLESIRLTEARARLELREEATKEDAEDIVEIMKYS
 MLGTYSDEFGNLDFERSQHGSGMSNRSTAKRFISALNNVAERTYNNIFQFHQLRQIA
 KELNIQVADFENFIGSLNDQGYLLKKGPKVYQLQTM

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

MCM8 minichromosome maintenance complex component 8 [Homo sapiens]

Official Symbol

MCM8

Synonyms

MCM8; minichromosome maintenance complex component 8; C20orf154,

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chromosome 20 open reading frame 154; DNA replication licensing factor MCM8; dJ967N21.5; MGC4816; MGC12866; MGC119522; MGC119523; REC; REC homolog (Drosophila); REC homolog; minichromosome maintenance 8; MCM8 minichromosome maintenance deficient 8; C20orf154;

Gene ID 84515

mRNA Refseq NM_032485

Protein Refseq NP_115874

MIM 608187

UniProt ID Q9UJA3

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