

Recombinant Human MCM8 Protein, GST-tagged

Cat. No. MCM8-4516H **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	Wheat Germ
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 DEIERKGSILVDFKELTEGGEVTNLIPDIATELRDAPEKTLACMGLAIHQVLT KD LERH AAELQAQEGLSNDGETMVNVPHIHARVYNYEPLTQLKNVRANYYGKYIALRGTVVR

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VSNIKPLCTKMAFLCAACGEIQSFPLPDGKYSLPTKCPVPVCRGRSFTALRSSPLTVT
MDWQSIKIQELMSDDQREAGRIPRTIECELVHDLVDSCVPGDVTITGIVKVSNAEEG
SRNKNDKCMFLLYIEANSISNSKGQKTKSSEDGCKHGMLMEFSLKDLYAIQEIQAEE
NLFKLIVNSLCPVIFGHELVKAGLALALFGGSQKYADDKNRIPRGDPHILVVGDPGLG
KSQMLQAACNVAPRGVYVCGNTTTTSGLTVTLTKDSSSGDFALEAGALVLGDQGIC
GIDEFDKMGNQHQAALLEAMEQQSISLAKAGVVCSLPARTSIIAAANPVGGHYNKAKT
VSENLMGMSALLSRFDLVFILLDTPNEHHDHLLSEHVIAIRAGKQRTISSATVARMNS
QDSNTSVLEVSEKPLSERLKVVPGETIDPIPHQLLRKYIGYARQYVYPRLSTEAARV
LQDFYLELRKQSQRNLSSPITTRQLESLIRLTEARARLELREEATKEDAEDIVEIMKYS
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,
chromosome 20 open reading frame 154; DNA replication licensing factor MCM8;

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dJ967N21.5; MGC4816; MGC12866; MGC119522; MGC119523; REC; REC homolog (Drosophila); REC homolog; minichromosome maintenance 8; MCM8 minichromosome maintenance deficient 8; C20orf154;

Gene ID 84515

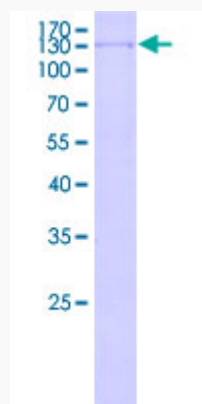
mRNA Refseq NM_032485

Protein Refseq NP_115874

MIM 608187

UniProt ID Q9UJA3

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue