

Recombinant Human MCM10

Catalog No: #GP10583



Package Size: #GP10583-1 100ug

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Description

Product Name	Recombinant Human MCM10
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 576-875 amino acids of human MCM10
Target Name	minichromosome maintenance 10 replication initiation factor
Other Names	CNA43; DNA43; PRO2249
Accession No.	Swissprot:Q7L590Gene Accession:BC009108
Uniprot	Q7L590
GeneID	55388;
Storage	-20~-80°C, pH 7.6 PBS

Background

The protein encoded by this gene is one of the highly conserved mini-chromosome maintenance proteins (MCM) that are involved in the initiation of eukaryotic genome replication. The hexameric protein complex formed by MCM proteins is a key component of the pre-replication complex (pre-RC) and it may be involved in the formation of replication forks and in the recruitment of other DNA replication related proteins. This protein can interact with MCM2 and MCM6, as well as with the origin recognition protein ORC2. It is regulated by proteolysis and phosphorylation in a cell cycle-dependent manner. Studies of a similar protein in *Xenopus* suggest that the chromatin binding of this protein at the onset of DNA replication is after pre-RC assembly and before origin unwinding. Alternatively spliced transcript variants encoding distinct isoforms have been identified.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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