

# Recombinant Human MCM3

Catalog No: #GP10590



Package Size: #GP10590-1 100ug

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

Product Name	Recombinant Human MCM3
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to C terminal 300 amino acids of human minichromosome maintenance complex component 3
Target Name	minichromosome maintenance complex component 3
Other Names	HCC5, P1.h, RLFB, P1-MCM3
Accession No.	Swissprot:P25205Gene Accession:BC001626
Uniprot	P25205
GenID	4172;
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 may be involved in the formation of replication forks and in the recruitment of other DNA replication related proteins. This protein is a subunit of the protein complex that consists of MCM2-7. It has been shown to interact directly with MCM5/CDC46. This protein also interacts with and is acetylated by MCM3AP, a chromatin-associated acetyltransferase. The acetylation of this protein inhibits the initiation of DNA replication and cell cycle progression. Two transcript variants encoding different isoforms have been found for this gene.

## References

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

Note: This product is for in vitro research use only