

MCM3 抗原（重组蛋白）

中文名称： MCM3 抗原（重组蛋白）

英文名称： MCM3 Antigen (Recombinant Protein)

别名： HCC5, P1.h, RLFb, P1-MCM3

储存： 冷冻（-20℃）

相关类别： 抗原

概述

Fusion protein corresponding to C terminal 300 amino acids of human MCM3

技术规格

Full name:	minichromosome maintenance complex component 3
Synonyms:	HCC5, P1.h, RLFb, P1-MCM3
Swissprot:	P25205
Gene Accession:	BC001626
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
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.