

MCM10 抗原（重组蛋白）

中文名称： MCM10 抗原（重组蛋白）

英文名称： MCM10 Antigen (Recombinant Protein)

别名： CNA43; DNA43; PRO2249

储存： 冷冻（-20℃）

相关类别： 抗原

概述

Fusion protein corresponding to a region derived from 576-875 amino acids of human MCM10

技术规格

Full name:	minichromosome maintenance 10 replication initiation factor
Synonyms:	CNA43; DNA43; PRO2249
Swissprot:	Q7L590
Gene Accession:	BC009108
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 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 <i>Xe</i>

nopus 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.