

CDC45 抗原（重组蛋白）

中文名称： CDC45 抗原（重组蛋白）

英文名称： CDC45 Antigen (Recombinant Protein)

别名： cell division cycle 45; CDC45L; CDC45L2; PORC-PI-1

储存： 冷冻（-20℃）

相关类别： 抗原

概述

Fusion protein corresponding to a region derived from 367-566 amino acids of human CDC45

技术规格

Full name:	cell division cycle 45
Synonyms:	CDC45L; CDC45L2; PORC-PI-1
Swissprot:	O75419
Gene Accession:	BC006232
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 was identified by its strong similarity with <i>Saccharomyces cerevisiae</i> Cdc45, an essential protein required to the initiation of DNA replication. Cdc45 is a member of the highly conserved multiprotein complex including Cdc6/Cdc18, the minichromosome maintenance proteins (MCMs) and DNA polymerase, which is important for early steps of DNA replication in eukaryotes. This protein has been shown to interact with MCM7 and DNA polymerase alpha. Studies of the similar gene in <i>Xenopus</i> suggested that this protein play a pivotal role in the loading of DNA polymerase alpha

onto chromatin. Alternate splicing results in multiple transcript variants.