

CDK2AP1 抗原（重组蛋白）

中文名称： CDK2AP1 抗原（重组蛋白）

英文名称： CDK2AP1 Antigen (Recombinant Protein)

别名： DOC1; ST19; DORC1; doc-1; p12DOC-1

储存： 冷冻（-20℃）

相关类别： 抗原

概述

Full length fusion protein

技术规格

Full name:	cyclin dependent kinase 2 associated protein 1
Synonyms:	DOC1; ST19; DORC1; doc-1; p12DOC-1
Swissprot:	O14519
Gene Accession:	BC034717
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 a cyclin-dependent kinase 2 (CDK2) -associated protein which is thought to negatively regulate CDK2 activity by sequestering monomeric CDK2, and targeting CDK2 for proteolysis. This protein was found to also interact with DNA polymerase alpha/primase and mediate the phosphorylation of the large p180 subunit, which suggests a regulatory role in DNA replication during the S-phase of the cell cycle. This protein also forms a core subunit of the nucleosome remodeling and histone deacetylation (NURD) complex that epigenetically regulates embryonic stem cell differentiation.

This gene thus plays a role in both cell-cycle and epigenetic regulation. Alternative splicing results in multiple transcript variants encoding distinct isoforms.