

Recombinant Human CDK2AP1

Catalog No: #GP12744



Package Size: #GP12744-1 100ug

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Description

Product Name	Recombinant Human CDK2AP1
Brief Description	Recombinant Protein
Immunogen Description	Full length fusion protein
Target Name	cyclin dependent kinase 2 associated protein 1
Other Names	DOC1; ST19; DORC1; doc-1; p12DOC-1
Accession No.	Swissprot:O14519Gene Accession:BC034717
Uniprot	O14519
GeneID	8099;
Storage	-20~-80°C, pH 7.6 PBS

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.

References

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

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