

## Datasheet for ABIN2713862

# CDK2AP1 Protein (Myc-DYKDDDDK Tag)





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Quantity:	20 μg
Target:	CDK2AP1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CDK2AP1 protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)
Product Details	
Characteristics:	<ul> <li>Recombinant human CDK2AP1 / DOC1 protein expressed in HEK293 cells.</li> <li>Produced with end-sequenced ORF clone</li> </ul>
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining
Target Details	
Target:	CDK2AP1
Alternative Name:	Cdk2ap1,doc1 (CDK2AP1 Products)
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

### **Target Details**

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.

Molecular Weight: 12.2 kDa

NCBI Accession: NP\_004633

# **Application Details**

Application Notes:	Recombinant human proteins can be used for:	
	Native antigens for optimized antibody production	
	Positive controls in ELISA and other antibody assays	
Comment:	The tag is located at the C-terminal.	

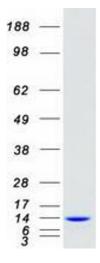
For Research Use only

### Handling

Restrictions:

Concentration:	50 μg/mL	
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.	
Storage:	-80 °C	
Storage Comment: Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.		

### **Images**



### **Western Blotting**

Image 1. Validation with Western Blot