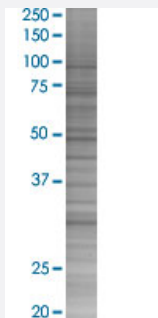


CDC2 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00000983-T02

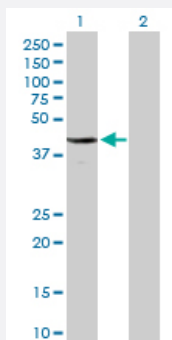
Size 100 uL

Applications



SDS-PAGE Gel

CDC2 transfected lysate.



Western Blot

Lane 1: CDC2 transfected lysate (34.10 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-CDC2 full-length

Host Human

Theoretical MW (kDa) 34.1

Quality Control Testing Transient overexpression cell lysate was tested with Anti-CDC2 antibody ([H00000983-D01P](#)) by Western Blots.
 SDS-PAGE Gel
 CDC2 transfected lysate.
 Western Blot
 Lane 1: CDC2 transfected lysate (34.10 KDa)
 Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — CDC2

Entrez GeneID[983](#)**GeneBank Accession#**[NM_001786.2](#)**Protein Accession#**[NP_001777.1](#)**Gene Name**

CDC2

Gene Alias

CDC28A, CDK1, DKFZp686L20222, MGC111195

Gene Description

cell division cycle 2, G1 to S and G2 to M

Omim ID[116940](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene is a member of the Ser/Thr protein kinase family. This protein is a catalytic subunit of the highly conserved protein kinase complex known as M-phase promoting factor (MPF), which is essential for G1/S and G2/M phase transitions of eukaryotic cell cycle. Mitotic cyclins stably associate with this protein and function as regulatory subunits. The kinase activity of this protein is controlled by cyclin accumulation and destruction through the cell cycle. The phosphorylation and dephosphorylation of this protein also play important regulatory roles in cell cycle control. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

OTTHUMP00000019660|cell cycle controller CDC2|cell division control protein 2 homolog|cell division cycle 2 protein|cyclin-dependent kinase 1|p34 protein kinase

Pathway

- [Cell cycle](#)
- [Gap junction](#)

- [p53 signaling pathway](#)

Disease

- [Alzheimer disease](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Dementia](#)
- [Genetic Predisposition to Disease](#)
- [Lung Neoplasms](#)
- [Pulmonary Disease](#)