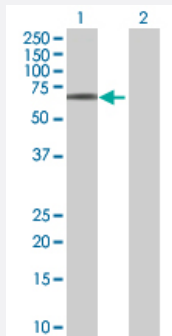


CDC45L 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00008318-T01

Size 100 uL

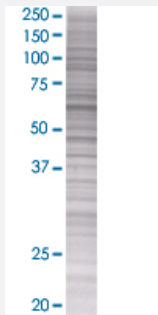
Applications



Western Blot

Lane 1: CDC45L transfected lysate (65.6 KDa)

Lane 2: Non-transfected lysate.



SDS-PAGE Gel

CDC45L transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-CDC45L full-length
Host	Human
Theoretical MW (kDa)	62.37
Interspecies Antigen Sequence	Mouse (92); Rat (91)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-CDC45L antibody ([H00008318-B01](#)) by Western Blots.

Western Blot

Lane 1: CDC45L transfected lysate (65.6 KDa)

Lane 2: Non-transfected lysate.

SDS-PAGE Gel

CDC45L 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 — CDC45L

Entrez GeneID[8318](#)**GeneBank Accession#**[NM_003504](#)**Protein Accession#**[NP_003495](#)**Gene Name**

CDC45L

Gene Alias

CDC45, CDC45L2, PORC-PI-1

Gene Description

CDC45 cell division cycle 45-like (S. cerevisiae)

Omim ID[603465](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene was identified by its strong similarity with *Saccharomyces cerevisiae* 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 *Xenopus* suggested that this protein play a pivotal role in the loading of DNA polymerase alpha onto chromatin. Multiple polyadenylation sites of this gene are reported. [provided by RefSeq]

Other Designations

CDC45 (cell division cycle 45, *S.cerevisiae*, homolog)-like|CDC45-like|CDC45-related protein|cell division cycle 45-like 2|human CDC45

Pathway

- [Cell cycle](#)

Disease

- [Colorectal Neoplasms](#)
- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [Tobacco Use Disorder](#)