

Product datasheet for LY300239

MCM7 Human Knockdown Lysate

Product data:

Product Type: Knockdown Lysates

Description: WB-validated MCM7 Knockdown HeLa Cell Lysate

Species: Human Expression Host: HeLa

Tag: Tag Free

Synonyms: MCM7; Minichromosome Maintenance Complex Component 7; P1CDC47; MCM2; P85MCM;

CDC47; PNAS146; P1.1-MCM3; DNA Replication Licensing Factor MCM7; CDC47 Homolog; Homolog Of S. Cerevisiae Cdc47; MCM7 Minichromosome Maintenance Deficient 7 (S. Cerevisiae); Minichromosome Maintenance Deficient 7; Minichromosome Maintenance

Deficient (S. Cerevisiae) 7; EC 3.6.4.12

Predicted MW: 81 kDa

Components: 1 vial of 100 ug WT HeLa cell lysate

1 vial of 100 ug MCM7 KD HeLa cell lysate

Storage: Store at -20 °C for two years.

Concentration: Lot-specific

Buffer: IntactProtein Cell-Tissue Lysis buffer

Locus ID: 4176 UniProt ID: P33993

Protein Families: Transcription Factors

Protein Pathways: Cell cycle, DNA replication



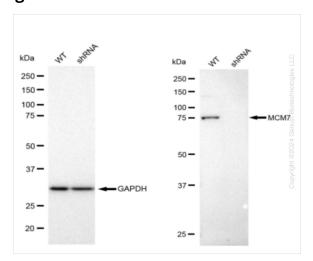
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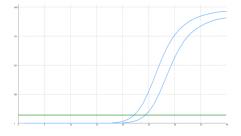
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Product images:



Western blotting analysis. MCM7 protein expression in wild-type (WT) and shRNA knockdown (KD) HeLa cells was detected using Western blotting. β -Tubulin served as a loading control. The blots were incubated with primary antibodies against MCM7 and β -Tubulin, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQTM ECL Substrate Kit.



Genotype	Ct Value
Wild-Type	22.20 gg
Knock-Down	24.26
$\Delta Ct (Ct_{KD}-Ct_{WT})$	2.06
% mRNA Reduction	J 76%

RT-qPCR analysis. HeLa cells were infected with MCM7-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. Δ Ct (CtKD-CtWT) was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula: $(1-1/2\Delta$ Ct) x 100%.