

Human CCNE2 Knockdown Cell Lysate

Cat. No. CCNE2-093HKCL Lot. No. (See product label)

SPECIFICATION

Product Overview WB-validated CCNE2 Knockdown HeLa Cell Lysate

Species Human

Source HeLa

Description

The protein encoded by this gene belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle. Cyclins function as regulators of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. This cyclin forms a complex with and functions as a regulatory subunit of CDK2. This cyclin has been shown to specifically interact with CIP/KIP family of CDK inhibitors, and plays a role in cell cycle G1/S transition. The expression of this gene peaks at the G1-S phase and exhibits a pattern of tissue specificity distinct from that of cyclin E1. A significantly increased expression level of this gene was observed in tumor-derived cells.

Form Cell-Tissue Lysis buffer

Molecular Mass 47 kDa

Notes

Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Store at -20 centigrade for two years.
Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg CCNE2 KD HeLa cell lysate
Protein Families	Druggable Genome
Protein Pathways	Cell cycle, Oocyte meiosis, p53 signaling pathway, Pathways in cancer, Prostate cancer, Small cell lung cancer
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	CCNE2 cyclin E2 [Homo sapiens (human)]
Official Symbol	CCNE2
Synonyms	CCNE2; cyclin E2; G1/S-specific cyclin-E2; CYCE2;
Gene ID	9134
mRNA Refseq	NM_057749
Protein Refseq	NP_477097
MIM	603775

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UniProt ID

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