

Recombinant Human CDK13 cell lysate

Cat. No. CDK13-321HCL Lot. No. (See product label)

SPECIFICATION

Species

Human

Description

The protein encoded by this gene is a member of the cyclin-dependent serine/threonine protein kinase family. Members of this family are well known for their essential roles as master switches in cell cycle control. Some of the cell cycle control kinases are able to phosphorylate proteins that are important for cell differentiation and apoptosis, thus provide connections between cell proliferation, differentiation, and apoptosis. Proteins of this family may also be involved in non-cell cycle-related functions, such as neurocytoskeleton dynamics. The exact function of this protein has not yet been determined. It has unusually large N- and C-termini and is ubiquitously expressed in many tissues. Two alternatively spliced variants are described.

Size

100 ul

Recommended Usage

Use it directly for immuno-precipitation, or heat lysate with SDS gel loading buffer to 95°C for 5 minutes followed by rapid cooling for western blot application. If dissociating conditions are required, add reducing agent prior to heating.

Storage Buffer

In modified RIPA Lysis Buffer.

Applications

Western Blot;Immunoprecipitation;

GENE INFORMATION

Gene Name

CDK13 cyclin-dependent kinase 13 [Homo sapiens]

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| Official Symbol | CDK13 |
| Synonyms | CDK13; cyclin-dependent kinase 13; CDC2L5, cell division cycle 2 like 5 (cholinesterase related cell division controller); CDC2L; CHED; cholinesterase related cell division controller; KIAA1791; CDC2-related protein kinase 5; cell division protein kinase 13; cell division cycle 2-like protein kinase 5; cholinesterase-related cell division controller; CDC2L5; hCDK13; FLJ35215; |
| Gene ID | 8621 |
| mRNA Refseq | NM_003718 |
| Protein Refseq | NP_003709 |
| MIM | 603309 |
| UniProt ID | Q14004 |
| Chromosome Location | 7p14.1 |
| Function | ATP binding; RNA polymerase II carboxy-terminal domain kinase activity; cyclin binding; cyclin-dependent protein kinase activity; nucleotide binding; protein binding; protein kinase activity; |

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