

# Recombinant Human CDK19 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CDK19-4428H Lot. No. (See product label)

## SPECIFICATION

### Product Overview

CDK19 MS Standard C13 and N15-labeled recombinant protein (NP\_055891) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

### Species

Human

### Source

HEK293

### Description

This gene encodes a protein that is one of the components of the Mediator co-activator complex. The Mediator complex is a multi-protein complex required for transcriptional activation by DNA binding transcription factors of genes transcribed by RNA polymerase II. The protein encoded by this gene is similar to cyclin-dependent kinase 8 which can also be a component of the Mediator complex. Alternative splicing results in multiple transcript variants encoding distinct isoforms.

### Molecular Mass

56.8 kDa

### AA Sequence

MDYDFKAKLAAERERVELFEYEGCKVGRGTYGHVYKARRKDGKDEKEYALKQIE  
GTGISM SACREIALLRELKHPNVIALQKVFLSHSDRKVWLLFDYAEHDLWHIIKFHRA  
SKANKKPMQLPRSMVKSLLYQILDGIHYLHANWVLHRDLK PANILVMGEGPERGRV  
KIADMGFARLFNSPLKPLADLDPVVVTFWYRAPELLLGARHYTKAIDIWAIGCIFAELL  
TSEPIFHCRQEDIKTSNPFHHDQLDRIFSVMGFPADKDWEDIRKMPEYPTLQKDFRR  
TTYANSSLIK YMEKHVKVPDSKVFLLLQKLLTMDPTKRITSEQALQDPYFQEDPLPTL  
DVFAGCQIPYPKREFLNEDDPEEKGDKNQQQQNQHQHQQPTAPPQQAAPPQAPP

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PQQNSTQTNGTAGGAGAGVGGTGAGLQHSQDSSLNQVPPNKKPRLGPPSGANS GG  
 PVMPSDYQHSSSRNLNYQSSVQGSSQSQSTLGYSSSSQSSQYHPHQAHRYTRT  
 RPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** CDK19 cyclin-dependent kinase 19 [ Homo sapiens (human) ]

**Official Symbol** CDK19

**Synonyms** CDK19; cyclin-dependent kinase 19; CDC2L6, CDK11, cell division cycle 2 like 6 (CDK8 like), cyclin dependent kinase (CDC2 like) 11; bA346C16.3; KIAA1028; death-preventing kinase; cyclin-dependent kinase 11; CDC2-related protein kinase 6; cell division protein kinase 19; CDK8-like cyclin-dependent kinase; cyclin-dependent kinase (CDC2-like) 11; cell division cycle 2-like 6 (CDK8-like); cell division cycle 2-like protein kinase 6; CDK11; CDC2L6;

**Gene ID** 23097

**mRNA Refseq** NM\_015076

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**Protein Refseq** NP\_055891

**MIM** 614720

**UniProt ID** Q9BWU1

**SDS-PAGE**



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