

Product datasheet

Recombinant Human CDK13 protein ab204099

1 Image

Description

**Product name** Recombinant Human CDK13 protein

**Purity** > 70 % Densitometry.

**Expression system** Baculovirus infected Sf9 cells

**Accession** [Q14004](#)

**Protein length** Protein fragment

**Animal free** No

**Nature** Recombinant

**Species** Human

**Sequence**

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KKIKIEHAPSPSSGGTLKNDKAKTKPPLQVTKVENNLIVDK
ATKKAVIVG
KESKSAATKEESVSLKEKTKPLTPSIGAKEKEQHVALVTS
TLPLPLPPM
LPEDKEADSLRGNISVKAVKKEVEKKLRCLLADLPLPPEL
PGGDDLSKSP
EEKKTATQLHSKRKPKICGPYGETKEKDIDWGRKCVDK
FDIIGIGEGT
YGQVYKARDKDTGEMVALKKVRLDNEKEGFPITAIREIKILR
QLTHQSII
NMKEIVTDKEDALDFKKDKGAFYLVFEYMDHDLMLGLES
GLVHFNENHIK
SFMRQLMEGLDYCHKKNFLHRDIKCSNILLNRRGQIKLADF
GLARLYSSE
ESRPYTNKVITLWYRPPPELLLGEERYTPAIDVWSCGCILGE
LFTKKPIFQ
ANQELAQLELISRICGSPCPAVWPDVIKLPYFNTMKPKKQY
RRKLREEFV
FIPAAALDLFDYMLALDPSKRCTAEQALQCEFLRDVEPSK
MPPPDLPPLWQ
DCHELWSKKRRRQKQMGMTDDVSTIKAPRKDLSLGLDD
SRTNTPQGVLPSS
SQLKSQGSSNVAPVKTGPGQHNLNHSSELAILLNLQSKTSV
NMADVFQVLN
IKVNSEYQQQLNKINLPAGILATGEKQTDPPSTPQQESSKPL
    
```

GGIQPSSQT  
IQPKVETDAAQAQAAVQSAFAVLLTQLIKAQQSKQKDVLLLE  
RENGSGHEAS  
LQLRPPPEPSTPVSGQDDLQHQDMRILELTPEPDRPRILP  
PDQRPEPP  
EPPPVTEDLDYRTENQHVPTTSSSLTDPHAGVKAALLQL  
LAQHQPQDDP  
KREGGIDYQAGDTYVSTSDYKDNFGSSSFSSAPYVSNDG  
LGSSSAPPLER  
RSFIGNSDIQSLDNYSTASSHSGGPPQPSAFSESEFPSSVA  
GYGDIYNAG  
PMLFSGDKDHRFEYSHGPIAVLANSSDPSTGPESTHPLP  
AKMHNYNYGGN  
LQENPSGSLMHGQTTWSPAQGPQGYSGYRGHISTSTGR  
GRGRGLPY

<b>Predicted molecular weight</b>	160 kDa including tags
<b>Amino acids</b>	516 to 1512
<b>Tags</b>	GST tag N-Terminus

## Specifications

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Our [Abpromise guarantee](#) covers the use of **ab204099** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	SDS-PAGE Western blot
<b>Additional notes</b>	This product was previously labelled as CDC2L5

## Preparation and Storage

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<b>Stability and Storage</b>	Shipped on Dry Ice. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle. pH: 7.50 Constituents: 0.79% Tris HCl, 0.31% Glutathione, 0.003% EDTA, 0.004% DTT, 0.002% PMSF, 25% Glycerol (glycerin, glycerine), 0.87% Sodium chloride
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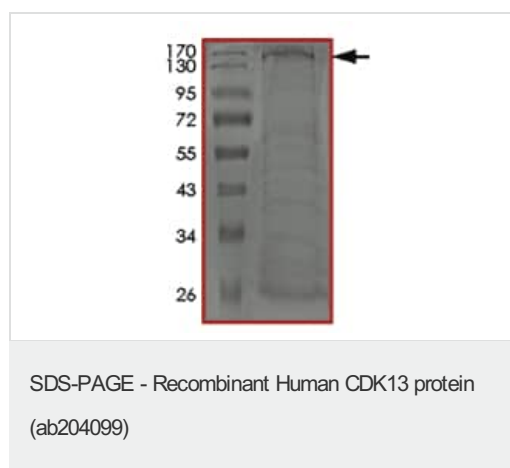
## General Info

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<b>Function</b>	Cyclin-dependent kinase which displays CTD kinase activity and is required for RNA splicing. Has CTD kinase activity by hyperphosphorylating the C-terminal heptapeptide repeat domain (CTD) of the largest RNA polymerase II subunit RPB1, thereby acting as a key regulator of transcription elongation. Required for RNA splicing, probably by phosphorylating SRSF1/SF2. Required during hematopoiesis. In case of infection by HIV-1 virus, interacts with HIV-1 Tat protein acetylated at 'Lys-50' and 'Lys-51', thereby increasing HIV-1 mRNA splicing and promoting the production of the doubly spliced HIV-1 protein Nef.
<b>Tissue specificity</b>	Expressed in fetal brain, liver, muscle and in adult brain. Also expressed in neuroblastoma and glioblastoma tumors.

<b>Sequence similarities</b>	Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. CDC2/CDKX subfamily. Contains 1 protein kinase domain.
<b>Post-translational modifications</b>	Phosphorylated upon DNA damage, probably by ATM or ATR.
<b>Cellular localization</b>	Nucleus speckle.

## Images



SDS-PAGE showing ab204099

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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