

Datasheet for ABIN7553226  
**CCRK Protein (AA 1-346) (His tag)**



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## Overview

Quantity:	1 mg
Target:	CCRK (CDK20)
Protein Characteristics:	AA 1-346
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CCRK protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat CDK20 Protein expressed in mammalian cells.
Sequence:	<p>MDQYCILGRI GEGAHGIVFK AKHVETGEIV ALKKVALRRL EDGFNPQALR EIKALQEMED</p> <p>NQYVVQLKAV FPHGGGFVLA FEFMLSDLAE VVRHAQRPLA QAQVKSYLEM LLKGVAFCHA</p> <p>NNIVHRDLKP ANLLISASGQ LKIADFGLAR VFSPDGSRLY THQVATRWYR APELLYGARQ</p> <p>YDQGVDLWSV GCIMGELLNG SPLFPGKNDI EQLCYVLRL GTPNPQVWPE LTELDPYINKI</p> <p>SFKEQVPMPL EEVLPDVSPQ ALDLLGQFLL YPPHQRIAAS KALLHQYFFT APLPAHPSEL</p> <p>PIPQRLGGPA PKAHPGPPHI HDFHVDRPLE ESLLNPELIR PFILEG <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b></p>
Characteristics:	Key Benefits:

## Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris Page, Western Blot

Grade: custom-made

## Target Details

Target: CCRK (CDK20)

Alternative Name: CDK20 ([CDK20 Products](#))

Background: Cyclin-dependent kinase 20 (EC 2.7.11.22) (CDK-activating kinase p42) (CAK-kinase p42) (Cell cycle-related kinase) (Cell division protein kinase 20) (Cyclin-dependent protein kinase H) (Cyclin-kinase-activating kinase p42),FUNCTION: Required for high-level Shh responses in the developing neural tube. Together with TBC1D32, controls the structure of the primary cilium by coordinating assembly of the ciliary membrane and axoneme, allowing GLI2 to be properly activated in response to SHH signaling (By similarity). Involved in cell growth. Activates CDK2, a kinase involved in the control of the cell cycle, by phosphorylating residue 'Thr-160'. {ECO:0000250, ECO:0000269|PubMed:14597612}.

Molecular Weight: 38.7 kDa

UniProt: [Q8IZL9](#)

## Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies

Application Details

as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months