

Datasheet for ABIN7546564  
**CLK4 Protein (AA 1-481) (His tag)**



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## Overview

Quantity:	1 mg
Target:	CLK4
Protein Characteristics:	AA 1-481
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CLK4 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant CLK4 Protein expressed in mammalian cells.
Sequence:	<p>MRHSKRTHCP DWDSRESWGH ESYRGS HKRK RRSHSSTQEN RHCKPHHQFK ESDCHYLEAR SLNERDYRDR RYVDEYRNDY CEGYVPRHYH RDIESGYRIH CSKSSVRSRR SSPKRKRNRH CSSHQSRSKS HRRKRSRSIE DDEEGH LICQ SGDVL RARYE IVDTLGEGAF GKVVECIDHG MDGMHVAVKI VKNVGRYREA ARSEIQVLEH LNSTD PNSVF RCVQMLEWFD HHGHVCIVFE LLGLSTYDFI KENSFLPFQI DHIRQMAYQI CQSINFLHHN KLTH TDLKPE NILFVKSDYV VKYNSKMKRD ERTLKNTDIK VVDFGSATYD DEHHSTLVST RHYRAPEVIL ALGWSQPCDV WSIGCILIEY YLGFTVFQTH DSKEHLAMME RILGPIQHM IQKTRKRKYF HHNQLDWDEH SSAGRYVRRR CKPLKEFMLC HDEEHEK LFD LVRRMLEYDP TQRITLDEAL QHPFFDLLKK K</p> <p><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>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

## Product Details

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isoform, please contact us regarding an individual offer.

### Characteristics:

#### Key Benefits:

- 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

### Grade:

custom-made

## Target Details

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### Target:

CLK4

### Alternative Name:

CLK4 ([CLK4 Products](#))

### Background:

Dual specificity protein kinase CLK4 (EC 2.7.12.1) (CDC-like kinase 4),FUNCTION: Dual specificity kinase acting on both serine/threonine and tyrosine-containing substrates. Phosphorylates serine- and arginine-rich (SR) proteins of the spliceosomal complex and may be a constituent of a network of regulatory mechanisms that enable SR proteins to control RNA splicing. Phosphorylates SRSF1 and SRSF3. Required for the regulation of alternative splicing of MAPT/TAU. Regulates the alternative splicing of tissue factor (F3) pre-mRNA in endothelial cells. {ECO:0000269|PubMed:11170754, ECO:0000269|PubMed:19168442}.

### Molecular Weight:

57.5 kDa

### UniProt:

[Q9HAZ1](#)

## Application Details

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Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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