

Datasheet for ABIN7553225
CDK14 Protein (AA 1-469) (His tag)



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Overview

Quantity:	1 mg
Target:	CDK14
Protein Characteristics:	AA 1-469
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CDK14 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat CDK14 Protein expressed in mammalian cells.
Sequence:	<p>MCDLIEPQPA EKIGKMKKLR RTLSEFSRI ALKKDDTTFD EICVTKMSTR NCQGMDSVIK PLDTIPEDKK VRVQRTQSTF DPFEKPANQV KRVHSENNAC INFKTSSTGK ESPKVRRHSS PSSPTSPKFG KADSYEKLEK LGEFSYATVY KGKSKVNGKL VALKVIRLQE EEGTPFTAIR EASLLKGLKH ANIVLLHDII HTKETLTLVF EYVHTDLCQY MDKHPGGLHP DNVKLFQFL LRGLSYIHQR YILHRDLKPQ NLLISDTGEL KLADFLARA KSVPSHTYSN EVVTLWYRPP DVLLGSTEYS TCLDMWGVGC IFVEMIQGVA AFGMKDIQD QLERIFLVLG TPNEDTWPGV HSLPHFKPER FTLYSSKNLR QAWNKLSYVN HAEDLASKLL QCSPKNRLSA QAALSHEYFS DLPPRLWELT DMSSIFTVPN VRLQPEAGES MRAFGKNNSY GKSLSNSKH 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.</p>

Product Details

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, Western Blot

Grade:

custom-made

Target Details

Target:

CDK14

Alternative Name:

CDK14 ([CDK14 Products](#))

Background:

Cyclin-dependent kinase 14 (EC 2.7.11.22) (Cell division protein kinase 14) (Serine/threonine-protein kinase PFTAIRE-1) (hPFTAIRE1),FUNCTION: Serine/threonine-protein kinase involved in the control of the eukaryotic cell cycle, whose activity is controlled by an associated cyclin. Acts as a cell-cycle regulator of Wnt signaling pathway during G2/M phase by mediating the phosphorylation of LRP6 at 'Ser-1490', leading to the activation of the Wnt signaling pathway. Acts as a regulator of cell cycle progression and cell proliferation via its interaction with CCDN3. Phosphorylates RB1 in vitro, however the relevance of such result remains to be confirmed in vivo. May also play a role in meiosis, neuron differentiation and may indirectly act as a negative regulator of insulin-responsive glucose transport. {ECO:0000269|PubMed:16461467, ECO:0000269|PubMed:17517622, ECO:0000269|PubMed:19524571, ECO:0000269|PubMed:20059949}.

Molecular Weight:

53.1 kDa

UniProt:

[O94921](#)

Application Details

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