

Datasheet for ABIN7546563
CLK1 Protein (AA 1-484) (His tag)



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Overview

Quantity:	1 mg
Target:	CLK1
Protein Characteristics:	AA 1-484
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CLK1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant CLK1 Protein expressed in mammalian cells.
Sequence:	<p>MRHSKRTYCP DWDDKDWDYG KWRSSSSSHKR RKRSHTSSAQE NKRCKYNHNSK MCDSHYLESR SINEKDYHSR RYIDEYRNDY TQGCEPGRHQ RDHESRYQNH SSKSSGRSGR SSKYKSKHRIH HSTSHRRSHG KSHRRKRTRS VEDDEEGHLI CQSGDVLSAR YEIVDTLGEG AFGKVVCEID HKAGGRHVAV KIVKNVDRYC EAARSEIQVL EHLNTTDPNS TFRCVQMLEW FEHHGHICIV FELLGLSTYD FIKENGFLPF RLDHIRKMAY QICKSVNFLH SNKLTHTDLK PENILFVQSD YTEAYNPKIK RDERTLINPD IKVVDVFGSAT YDDEHHSTLV STRHYRAPEV ILALGWSQPC DVWSIGCILI EYYLGFTVFP THDSKEHLAM MERILGPLPK HMIQKTRKRK YFHHDRLDWD EHSSAGRYVS RRCKPLKEFM LSQDVEHERL FDLIQKMLEY DPAKRITLRE ALKHPFFDLL KCSI</p> <p>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>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

Product Details

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

Target: CLK1

Alternative Name: CLK1 ([CLK1 Products](#))

Background: Dual specificity protein kinase CLK1 (EC 2.7.12.1) (CDC-like kinase 1),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, SRSF3 and PTPN1 (PubMed:10480872, PubMed:19168442). Regulates the alternative splicing of tissue factor (F3) pre-mRNA in endothelial cells (PubMed:19168442). {ECO:0000269|PubMed:10480872, ECO:0000269|PubMed:19168442}.

Molecular Weight: 57.3 kDa

UniProt: [P49759](#)

Application Details

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.
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