

Datasheet for ABIN7563004
CDK11 Protein (AA 1-784) (His tag)



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Overview

Quantity:	1 mg
Target:	CDK11 (CDK11B)
Protein Characteristics:	AA 1-784
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CDK11 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Cdk11b Protein expressed in mammalian cells.
Sequence:	<p>MGDEKDSWKV KTLDEILQEK KRRKEQEEKA EIKRLKNSDD RDSKRDSLEE GELRDHRMEI</p> <p>TIRNSPYRRE DSMEDRGEED DSLAIKPPQQ MSRKEKAHHR KDEKRKEKRR HRSHSAEGGK</p> <p>HARVKEKERE HERRKRHREE QDKARREWER QKRREMAREH SRRERDRLEQ LERKRERERK</p> <p>LREQQKEQRE QKERERRAAE RRKEREARE VSAHHRTMRE EYSDKGKGVGH WSRSPLRPPR</p> <p>ERFEMGDNRK PVKEEKVEER DLLSDLQDIS DSEKRTSSAE SSSAESGSGS EEEEEEEEE</p> <p>EEEEGSTSEE EEEEEEEEE EEEEETGSNS EEASEQSAAE VSDEEMSEDE DRENENHILV</p> <p>VPESRFDRDS GDSEEGEEV GEGTPQSSAP TEGDYVPDSP ALSPIELKQE LPKYLPALQG</p> <p>CRSVEEFQCL NRIIEGTYGV VYRAKDKKTD EIVALKRLKM EKEKEGFPIT SLREINTILK</p> <p>AQHPNIVTVR EIVVGSNMDK IYVMNYVEH DLKSLMETMK QPFLPGEVKT LMIQLLSGVK</p> <p>HLHDNWILHR DLKTSNLLLS HAGILKVGDF GLAREYGSPL KAYTPVVVTL WYRAPELLLG</p> <p>AKEYSTAVDM WSVGCI FGEL LTQKPLFPGK SDIDQINKIF KDLGTPSEKI WPGYNDLPAV</p>

KKMTFSEYPY NNLRRKRFGL LSDQGFDLMN KFLTYYPGR INAEDGLKHE YFRETPLPID
PSMFPTWPAK SEQQRVKRGT SPRPPEGGLG YSQLGDDDLK ETGFHLTTTN QGASAAGPGF SLKF

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.

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	CDK11 (CDK11B)
Alternative Name:	Cdk11b (CDK11B Products)
Background:	Cyclin-dependent kinase 11B (Cell division cycle 2-like protein kinase 1) (Cell division protein kinase 11) (Cyclin-dependent kinase 11) (EC 2.7.11.22) (Galactosyltransferase-associated protein kinase p58/GTA) (PITSLRE serine/threonine-protein kinase CDC2L1),FUNCTION: Plays multiple roles in cell cycle progression, cytokinesis and apoptosis. Involved in pre-mRNA splicing in a kinase activity-dependent manner. May act as a negative regulator of normal cell cycle progression. {ECO:0000250 UniProtKB:P21127}.
Molecular Weight:	91.5 kDa

Target Details

UniProt: [P24788](#)

Pathways: [Regulation of Lipid Metabolism by PPARalpha, M Phase](#)

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