



# Recombinant Human Cyclin-dependent kinase 11B (CDK11B)

<b>Product Code</b>	CSB-EP005000HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P21127
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<p>MGDEKDSWKV KTLDEILQEK KRRKEQEKA EIKRLKNSDD RDSKRDSLEE  GELRDHRMEI TIRNSPYRRE DSMEDRGEED DSLAIKPPQQ MSRKEKVHHR  KDEKRKEKRR HRSLSAEGGK HARVKEKERE HERRKRHREE  QDKARREWER QKRREMAEH SRRERDRLEQ LERKRERERK  MREQQKEQRE QKERERRAEE RRKEREARE VSAHHRMRE  DYSDKVKASH WSRSPRPPR ERFELGDGRK PGEARPARAQ  KPAQLKEEKM EERDLLSDLQ DISDSERKTS SAESSAESG SGSEEEEEEE  EEEEEEGSTS EEEEEEEEE EEEEEETGSN SEEASEQSAE EVSEEEMSED  EERENENHLL VVPESRFDRD SGESSEAEAE VEGGTPQSSA LTEGDYVPDS  PALSPIELKQ ELPKYLPAQ GCRSVEEFQC LNRIEGTYG VVYRAKDKKT  DEIVALKRLK MEKEKEGFPI TSLREINTIL KAQHPNIVTV REIVVGSNMD  KIYIVMNYVE HDLKSLMETM KQPFLPGEVK TLMIQLLRGV KHLHDNWILH  RDLKTSNLLL SHAGILKVG D FGLAREYGSP LKAYTPVVVT LWYRAPELLL  GAKEYSTAVD MWSVGCIFGE LLTQKPLFPG KSEIDQINKV FKDLGTPSEK  IWPGYSELPA VKKMTFSEHP YNNLRKRFGA LLSDQGFDLM NKFLTYFPGR  RISAEDGLKH EYFRETPLPI DPSMFPTWPA KSEQQRVKRG TSPRPPEGGL  GYSQLGDDDL KETGFHLTTT NQGASAAGPG FSLKF</p>
<b>Source</b>	E.coli
<b>Target Names</b>	CDK11B
<b>Protein Names</b>	Recommended name: Cyclin-dependent kinase 11B EC= 2.7.11.22 Alternative name(s): Cell division cycle 2-like protein kinase 1 Short name= CLK-1 Cell division protein kinase 11B Galactosyltransferase-associated protein kinase p
<b>Expression Region</b>	1-795
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	This gene encodes a member of the p34Cdc2 protein kinase family. p34Cdc2 kinase family members are known to be essential for eukaryotic cell cycle control. This gene is in close proximity to CDC2L2, a nearly identical gene in the same chromosomal region. The gene loci including this gene, CDC2L2, as well as metalloprotease MMP21/22, consist of two identical, tandemly linked



genomic regions which are thought to be a part of the larger region that has been duplicated. This gene and CDC2L2 were shown to be deleted or altered frequently in neuroblastoma with amplified MYCN genes. The protein kinase encoded by this gene could be cleaved by caspases and was demonstrated to play roles in cell apoptosis. Several alternatively spliced variants of this gene have been reported.

---

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

---

**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.