



Recombinant Human Cyclin-dependent kinase 11B (CDK11B)

Product Code	CSB-MP005000HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P21127
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	<p>MGDEKDSWKV KTLDEILQEK KRRKEQEEKA 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 EESEEEEEEE EEEEEETGSN SEEASEQSAE EVSEEEEMSED EERENENHLL VVPESRFDRD SGESSEAEAE VEGGTPQSSA LTEGDYVPDS PALSPIELKQ ELPKYLPAQ GCRSVEEFQC LNRIEEGTYG 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>
Source	Mammalian cell
Target Names	CDK11B
Protein Names	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
Expression Region	1-795
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	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.