



# Recombinant Human Cyclin-dependent kinase 11A (CDK11A)

<b>Product Code</b>	CSB-EP891802HU-B
<b>Abbreviation</b>	CDK11A
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q9UQ88
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MGDEKDSWKV KTLDEILQEK KRRKEQEEKA EIKRLKNSDD RDSKRDSLEE GELRDHCMEI TIRNSPYRRE DSMEDRGEED DSLAIKPPQQ MSRKEKVHHR KDEKRKEKWK HARVKEREHE RRRKRHREEQD KARREWERTQK RREMAREHSR RERDRLEQLE RKRERERKMR EQQKEQREQK ERERRAEERR KEREAREVS AHHRTMREDY SDKVKASHWS RSPRPPRER FELGDGRKPG EARPAPAQKP AQLKEEKMEE RDLLSDLQDI SDSERKTSSA ESSSAESGSG SEEEEEEEEEE EEEEGSTSEE SEEEEEEEEEE EEEEETGSNSE EASEQSAEEV SEEEMSEDEE RENENHLLVV PESRFDRDSG ESEEAEVEVG EGTPQSSALT EGDYVPDSPA LLPIELKQEL PKYLPALQGC RSVEEFQCLN RIEEGTYGVV YRAKDKKTDE IVALKRLKME KEKEGFPITS LREINTILKA QHPNIVTVRE IVVGSNMDKI YIVMNYVEHD LKSLMETMKQ PFLPGEVKTL MIQLLRGVKH LHDNWILHRD LKTSNLLLSH AGILKVGDFG LAREYGSPLK AYTPVVVTQW YRAPELLGA KEYSTAVDMW SVGCIFGELL TQKPLFPGNS EIDQINKVFK ELGTPSEKIW PGYSELPVVK KMTFSEHPYN NLRKRFGALL SDQGFDMNK FLTYFPGRRI SAEDGLKHEY FRETPLPIDP SMFPTWPAKS EQQRVKRGTS PRPPEGGLGY SQLGDDDLKE TGFHLTTTNQ GASAAGPGFS LKF
<b>Source</b>	E.coli
<b>Target Names</b>	CDK11A
<b>Protein Names</b>	Recommended name: Cyclin-dependent kinase 11A EC= 2.7.11.22 Alternative name(s): Cell division cycle 2-like protein kinase 2 Cell division protein kinase 11A Galactosyltransferase-associated protein kinase p58/GTA PITSLRE serine
<b>Expression Region</b>	1-783
<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



### 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 CDC2L1, a nearly identical gene in the same chromosomal region. The gene loci including this gene, CDC2L1, 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 CDC2L1 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. Many transcript variants encoding several different isoforms have been found for this gene, but the full-length nature of only two have been determined so far.

### 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.