

Recombinant Human CDK11B, GST-tagged

Cat. No. CDK11B-127H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human CDK11B (CDC2L1) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
Description	CDC2L1 is a member of the p34Cdc2 protein kinase family. p34Cdc2 protein kinase family is known to be essential for eukaryotic cell cycle control. CDC2L1 is well conserved evolutionarily and is regulated during murine embryogenesis. CDC2L1 activity is coordinately regulated with that of p34 (cdc2) during the cell cycle. The protein kinase encoded by CDC2L1 can be cleaved by caspases and is demonstrated to play roles in cell apoptosis
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	~135kDa
Purity	>70% by densitometry
Applications	Western Blot
Storage	Store product at -70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most

 Tel: 1-631-559-9269 1-516-512-3133

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favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

Concentration 0.1 µg/µl

GENE INFORMATION

Gene Name [CDK11B cyclin-dependent kinase 11B \[Homo sapiens \]](#)

Official Symbol CDK11B

Synonyms

CDK11B; cyclin-dependent kinase 11B; CDC2L1, cell division cycle 2 like 1 (PITSLRE proteins); CDK11 p46; CDK11 p58; CDK11 p110; PITSLREA; p58 CLK-1; CDC-related protein kinase p58; cell division protein kinase 11B; cell division cycle 2-like protein kinase 1; PITSLRE serine/threonine-protein kinase CDC2L1; cell division cycle 2-like 1 (PITSLRE proteins); galactosyltransferase-associated protein kinase p58/GTA; p58; PK58; CDK11; CLK-1; CDC2L1; p58CLK-1; CDK11-p46; CDK11-p58; p58CDC2L1; CDK11-p110; FLJ59152;

Gene ID [984](#)

mRNA Refseq [NM_033486](#)

Protein Refseq [NP_277021](#)

MIM [176873](#)

UniProt ID [P21127](#)

Chromosome Location 1p36.33

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Pathway

Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Centrosome maturation, organism-specific biosystem; G2/M Transition, organism-specific biosystem; Mitotic G2-G2/M phases, organism-specific biosystem; Recruitment of mitotic centrosome proteins and complexes, organism-specific biosystem;

Function

ATP binding; cyclin-dependent protein kinase activity; nucleotide binding; protein binding; protein kinase activity; protein serine/threonine kinase activity;

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