Recombinant Human CDK11A protein, GST-tagged

Cat. No. CDK11A-285H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CDK11A(361-end) fused with GST tag at N-terminal was expressed in Insect cells.
Species	Human
Source	Insect Cells
ProteinLength	361-end a.a.
Description	CDK11A or cyclin-dependent kinase 11A is a member of the p34Cdc2 protein kinase family. CDKs are known to be essential for eukaryotic cell cycle control. CDK11A gene complex may harbor one or more tumor suppressor genes affected by chromosome 1p36 modifications in neuroblastoma. CDK11A is associated with the alpha and beta isoforms of cyclin L1 and L2 in a high molecular mass complex that shows splicing activity. CDK11A can be cleaved by caspases and this is demonstrated to play a role in cell apoptosis.
Form	50mM Tris-HCl, pH 7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	73 kDa
Purity	> 90%
Applications	Western Blot

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Stability	1 year at -70 centigrade from the date of shipment.
Storage	Store product at –70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.1µg/µl

GENE INFORMATION

Gene Name	CDK11A cyclin-dependent kinase 11A [Homo sapiens]
Official Symbol	CDK11A
Synonyms	CDK11A; cyclin-dependent kinase 11A; CDC2L2, CDC2L3, cell division cycle 2 like 2 , cell division cycle 2 like 2 (PITSLRE proteins); CDK11 p46; CDK11 p58; CDK11 p110; p58GTA; PITSLRE; PITSLRE B; PITSLRE protein kinase beta; cell division protein kinase 11A; cell division cycle 2-like protein kinase 2; PITSLRE serine/threonine-protein kinase CDC2L2; cell division cycle 2-like 2 (PITSLRE proteins); galactosyltransferase-associated protein kinase p58/GTA; CDC2L2; CDC2L3; CDK11-p46; CDK11-p58; CDK11-p110; MGC131975;
Gene ID	728642
mRNA Refseq	NM_024011
Protein Refseq	NP_076916
MIM	116951
UniProt ID	Q9UQ88

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Chromosome Location	1p36.33
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; ATP binding; cyclin-dependent protein kinase activity; nucleotide binding; protein kinase activity; protein serine/threonine kinase activity; protein serine/threonine kinase activity; transferase activity, transferring phosphorus-containing groups;

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