

Recombinant Human CDKL5 Protein, His-tagged

Cat. No. CDKL5-7022H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human CDKL5 (1-498) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Insect Cells
ProteinLength	1-498
Description	This gene is a member of Ser/Thr protein kinase family and encodes a phosphorylated protein with protein kinase activity. Mutations in this gene have been associated with X-linked infantile spasm syndrome (ISSX), also known as X-linked West syndrome, and Rett syndrome (RTT). Alternate transcriptional splice variants have been characterized.
Molecular Mass	84 kDa
Purity	>85%
Stability	One year at -70 centigrade from 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.

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Concentration	0.1 µg/µL
Storage Buffer	50mM Tris-HCl, pH 7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Shipping	Dry ice

GENE INFORMATION

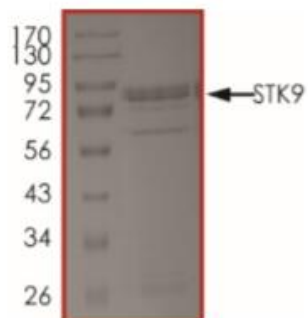
Gene Name	CDKL5 cyclin dependent kinase like 5 [Homo sapiens (human)]
Official Symbol	CDKL5
Synonyms	CDKL5; cyclin dependent kinase like 5; DEE2; ISSX; STK9; EIEE2; CFAP247; cyclin-dependent kinase-like 5; cyclin dependent kinase 5 transcript; serine/threonine kinase 9; serine/threonine-protein kinase 9; EC 2.7.11.22
Gene ID	6792
mRNA Refseq	NM_003159
Protein Refseq	NP_003150
MIM	300203
UniProt ID	O76039

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Purity



The purity of CDKL5 was determined to be >85% by densitometry.

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