



Human CDKL5 blocking peptide (DAG-P0195)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen 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. [provided by RefSeq, Jul 2008]
Specificity	Expressed in brain, lung, kidney, prostate, ovary, placenta, pancreas and testis.
Conjugate	Unconjugated
Applications	BL
Sequence Similarities	Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. CDC2/CDKX subfamily. Contains 1 protein kinase domain.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	CDKL5 cyclin-dependent kinase-like 5 [Homo sapiens (human)]
Official Symbol	CDKL5
Synonyms	CDKL5; cyclin-dependent kinase-like 5; ISSX; STK9; EIEE2; serine/threonine kinase 9; serine/threonine-protein kinase 9; cyclin dependent kinase 5 transcript;

Entrez Gene ID	6792
mRNA Refseq	NM_001037343.1
Protein Refseq	NP_001032420.1
UniProt ID	O76039
Chromosome Location	Xp22
Pathway	BDNF signaling pathway, organism-specific biosystem;
Function	ATP binding; Rac GTPase binding; cyclin-dependent protein serine/threonine kinase activity; kinase activity; protein kinase activity; protein serine/threonine kinase activity;