



Human CDKL5 blocking peptide (DAG-P0195)

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

PRODUCT INFORMATION

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| 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

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|------------------------|---|
| 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; |

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|----------------------------|---|
| 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; |