

# Recombinant Human CDK5

**Cat. No.** CDK5-27906TH    **Lot. No.** (See product label)

## SPECIFICATION

|                              |                                                                                                                                                                         |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>      | Recombinant full length human CDK5 protein containing an N-terminal tag.                                                                                                |
| <b>Species</b>               | Human                                                                                                                                                                   |
| <b>Source</b>                | E.coli                                                                                                                                                                  |
| <b>Description</b>           | Cell division protein kinase 5 is an enzyme that in humans is encoded by the CDK5 gene. The protein encoded by this gene is part of the cyclin-dependent kinase family. |
| <b>Form</b>                  | Liquid                                                                                                                                                                  |
| <b>Purity</b>                | >90% by SDS-PAGE                                                                                                                                                        |
| <b>Storage buffer</b>        | Preservative: None<br>Constituents: 25% Glycerol, 50mM Tris HCl, 150mM Sodium chloride, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, pH 7.5                          |
| <b>Storage</b>               | Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.                                                                               |
| <b>Sequence Similarities</b> | Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. CDC2/CDKX subfamily. Contains 1 protein kinase domain.                                   |
| <b>Full Length</b>           | Full L.                                                                                                                                                                 |

## GENE INFORMATION

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|                            |                                                                                                                                                                                                                       |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | CDK5 cyclin-dependent kinase 5 [ Homo sapiens ]                                                                                                                                                                       |
| <b>Official Symbol</b>     | CDK5                                                                                                                                                                                                                  |
| <b>Synonyms</b>            | CDK5; cyclin-dependent kinase 5; PSSALRE;                                                                                                                                                                             |
| <b>Gene ID</b>             | 1020                                                                                                                                                                                                                  |
| <b>mRNA Refseq</b>         | NM_001164410                                                                                                                                                                                                          |
| <b>Protein Refseq</b>      | NP_001157882                                                                                                                                                                                                          |
| <b>MIM</b>                 | 123831                                                                                                                                                                                                                |
| <b>Uniprot ID</b>          | Q00535                                                                                                                                                                                                                |
| <b>Chromosome Location</b> | 7q36                                                                                                                                                                                                                  |
| <b>Pathway</b>             | Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; Axon guidance, organism-specific biosystem; |
| <b>Function</b>            | ATP binding; ErbB-2 class receptor binding; ErbB-3 class receptor binding; acetylcholine receptor activator activity; cyclin-dependent protein kinase activity;                                                       |

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