

Recombinant Human CDC-like Kinase 2, GST-tagged, Active

Cat. No. CLK2-285H Lot. No. (See product label)

SPECIFICATION

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|------------------------------|---|
| Product Overview | Recombinant human CLK2 (137-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. MW=68 kDa. |
| Species | Human |
| Source | Sf9 Cells |
| ProteinLength | 137-end a.a. |
| Description | CDC-like kinase 2 (CLK2) a family of autophosphorylating kinases termed CLK (CDC2/CDC28-like kinases) was shown to phosphorylate SR proteins and to influence alternative splicing in overexpression systems. Recent findings demonstrated that the CLK kinases activate PTP-1B family members, and this phosphatase may be an important cellular target for CLK action. Mutations in the clk-2 proteins affect organismal features such as development, behavior, reproduction, and aging as well as cellular features such as the cell cycle, apoptosis, the DNA replication checkpoint, and telomere length. |
| Sequence | 137-end. |
| Applications | Kinase Assay, Western Blot. |
| Storage And Stability | Store product at -70°C . 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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GENE INFORMATION

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|----------------------------|---|
| Gene Name | CLK2 CDC-like kinase 2 [Homo sapiens] |
| Synonyms | CLK2; CDC-like kinase 2; hCLK2; MGC61500; CLK kinase; CLK kinase; dual specificity protein kinase CLK2; EC 2.7.12.1 |
| Gene ID | 1196 |
| mRNA Refseq | NM_003993 |
| Protein Refseq | NP_003984 |
| MIM | 602989 |
| UniProt ID | P49760 |
| Chromosome Location | 1q21 |
| Function | ATP binding; non-membrane spanning protein tyrosine kinase activity; nucleotide binding; protein serine/threonine kinase activity; transferase activity |

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