

## Recombinant Human CDC-Like Kinase 2, GST-tagged

Cat. No. CLK2-1005H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human CLK2 (137-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
<b>Species</b>	Human
<b>Source</b>	Sf9 Cells
<b>ProteinLength</b>	137-end a.a.
<b>Description</b>	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.
<b>Applications</b>	Kinase Assay; Western Blot
<b>Molecular Weight</b>	68 kDa
<b>Expression System</b>	Sf9 insect cells using baculovirus
<b>Form</b>	Recombinant protein stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 0.25 mM DTT,

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0.1 mM EDTA, 0.1 mM EDTA, 0.1 mM PMSF, 25 % glycerol.

**Specific Activity** 52 nmol/min/mg

**Purity** > 80 %

**Concentration** 0.1 ug/ul

**Sequences** 137-end

**Storage** 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.

**Pathways** mRNA processing

## GENE INFORMATION

**Gene Name** CLK2 CDC-like kinase 2 [ Homo sapiens ]

**Official Symbol** CLK2

**Synonyms** CLK2; CDC-like kinase 2; hCLK2; MGC61500; dual specificity protein kinase CLK2; CLK kinase; OTTHUMP00000034063; OTTHUMP00000034064; THUMP00000034065; clk2; Dual specificity protein kinase CLK2; EC 2.7.12.1

**Gene ID** 1196

**mRNA Refseq** NM\_003993

**Protein Refseq** NP\_003984

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<b>MIM</b>	602989
<b>UniProt ID</b>	P49760
<b>Chromosome Location</b>	1q21
<b>Function</b>	ATP binding; nucleotide binding; protein binding; protein serine/threonine kinase activity; protein serine/threonine/tyrosine kinase activity; protein tyrosine kinase activity

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