

# Recombinant Human CDC-like Kinase 1, GST-tagged, Active

**Cat. No.** CLK1-284H    **Lot. No.** (See product label)

## SPECIFICATION

|                              |                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>      | Recombinant human CLK1 (129-end) was expressed by baculovirus in <i>Sf9 insect cell</i> using an N-terminal GST tag. MW=66 kDa.                                                                                                                                                                                                                                                                            |
| <b>Species</b>               | Human                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>                | Sf9 Cells                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Protein Length</b>        | 129-end a.a.                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>           | CLK/STY is a member of the CDC2-like (or LAMMER) family of dual specificity protein kinases. The phosphorylated serine/arginine-rich (SR) proteins involves in the pre-mRNA processing and releasing through nucleus into nucleoplasm. CLK/STY, which could phosphorylates the specific SR proteins, such as ASF/SF2, may directly regulates the activity and compartmentalization of SR splicing factors. |
| <b>Sequence</b>              | 129-end.                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Applications</b>          | Kinase Assay, Western Blot.                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Storage And Stability</b> | Store product at $-70^{\circ}\text{C}$ . 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.                                                                                                                                                   |

## GENE INFORMATION

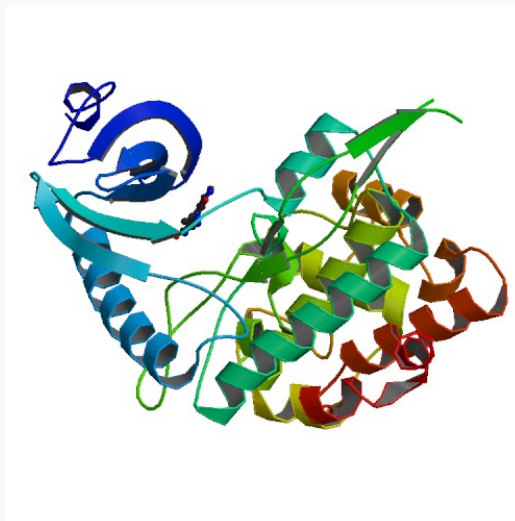
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|                            |                                                                                                                                                         |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | CLK1 CDC-like kinase 1 [ Homo sapiens ]                                                                                                                 |
| <b>Synonyms</b>            | CLK1; CDC-like kinase 1; CLK; STY; CLK/STY; CDC28/CDC2-like kinase; protein tyrosine kinase STY; dual specificity protein kinase CLK1; EC 2.7.12.1      |
| <b>Gene ID</b>             | 1195                                                                                                                                                    |
| <b>mRNA Refseq</b>         | NM_001162407                                                                                                                                            |
| <b>Protein Refseq</b>      | NP_001155879                                                                                                                                            |
| <b>MIM</b>                 | 601951                                                                                                                                                  |
| <b>UniProt ID</b>          | P49759                                                                                                                                                  |
| <b>Chromosome Location</b> | 2q33                                                                                                                                                    |
| <b>Function</b>            | ATP binding; non-membrane spanning protein tyrosine kinase activity; nucleotide binding; protein serine/threonine kinase activity; transferase activity |

PDB rendering based  
on 1z57.



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