

Recombinant Human CLK4 Protein, GST-tagged

Cat. No. CLK4-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CLK4 (70-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Insect Cells
ProteinLength	70-end a.a.
Description	The protein encoded by this gene belongs to the CDC2-like protein kinase (CLK) family. This protein kinase can interact with and phosphorylate the serine- and arginine-rich (SR) proteins, which are known to play an important role in the formation of spliceosomes, and thus may be involved in the regulation of alternative splicing. Studies in the Israeli sand rat <i>Psammomys obesus</i> suggested that the ubiquitin-like 5 (UBL5/BEACON), a highly conserved ubiquitin-like protein, may interact with and regulate the activity of this kinase. Multiple alternatively spliced transcript variants have been observed, but the full-length natures of which have not yet been determined.
Molecular Mass	~73 kDa
Purity	> 90%
Stability	One year at -70 centigrade from date of shipment

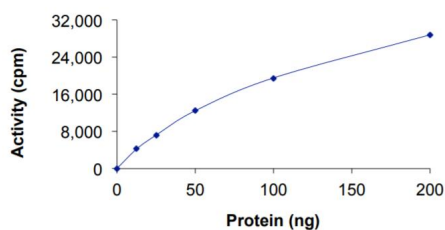
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Storage	Store product at –70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.1 µg/µL
Storage Buffer	50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25% glycerol.
GENE INFORMATION	
Gene Name	CLK4 CDC like kinase 4 [Homo sapiens (human)]
Official Symbol	CLK4
Synonyms	CLK4; CDC like kinase 4; dual specificity protein kinase CLK4; protein serine threonine kinase Clk4; EC 2.7.12.1
Gene ID	57396
mRNA Refseq	NM_020666
Protein Refseq	NP_065717
MIM	607969
UniProt ID	Q9HAZ1

Specific Activity



The Specific Activity of CLK4 was determined to be 12 nmol/min/mg as per activity assay protocol.

Purity

