

Active Recombinant Human CLK4 Protein, GST-tagged

Cat. No. CLK4-1500H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human CLK4 (NP_065717.1, 1 a.a. - 481 a.a.) full-length recombinant protein with GST tag expressed in baculovirus infected Sf21 cells.
Species	Human
Source	Insect Cells
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. [provided by RefSeq, Jul 2008]
Form	Liquid
Bio-activity	The activity was determined by IMAP™ assay. The enzyme was incubated with fluorescein labeled peptide and phosphorylation was detected by IMAP™ technology (fluorescence polarization). Substrate: SRPKtide. ATP: 100 μM.
Molecular Mass	85 kDa

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Purity	87 % by SDS-PAGE/CBB staining
Applications	Functional Study SDS-PAGE
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	In 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 (0.1% CHAPS, 1 mM DTT, 10% glycerol)

GENE INFORMATION

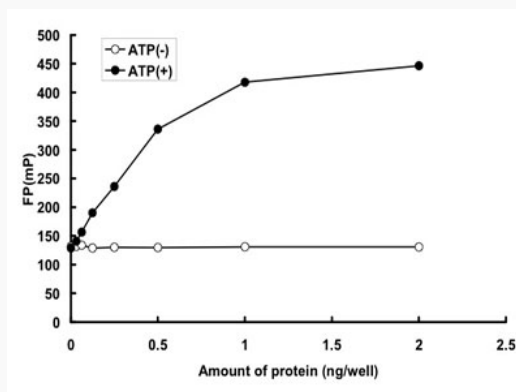
Gene Name	CLK4 CDC-like kinase 4 [Homo sapiens]
Official Symbol	CLK4
Synonyms	CLK4; CDC-like kinase 4; dual specificity protein kinase CLK4; protein serine threonine kinase Clk4; DKFZp686A20267;
Gene ID	57396
mRNA Refseq	NM_020666
Protein Refseq	NP_065717
MIM	607969
UniProt ID	Q9HAZ1

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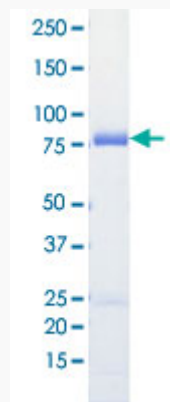
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Result of activity analysis



Quality Control Testing:



Loading 1 µg protein in SDS-PAGE

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