

Recombinant Human CLK4 Protein, GST-tagged

Cat. No. CLK4-1501H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CLK4 full-length ORF (NP_065717.1, 1 a.a. - 481 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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]
Molecular Mass	78.54 kDa
AA Sequence	MRHSKRTHCPDWDSRESWGHESYRGSHKRKRSHSSTQENRHCKPHHQFKESD CHYLEARSLNERDYRDRRYVDEYRNDYCEGYVPRHYHRDIESGYRIHCSKSSVRSR RSSPKRKRNRHCSSHQSRKSHRRKRSRSIEDDEEGHLICQSGDVLRLARYEIVDTL GEGAFGKVVCEIDHGMGMHVAVKIVKNVGRYREAAARSEIQVLEHLNSTDPNSVFR CVQMLEWFDHHGHVCIVFELLGLSTYDFIKENSFLPFQIDHIRQMAYQICQSINFLHH

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NKLTHTDLKPENILFVKSDYVVKYNSKMKRDERTLKNTDIKVVDGFSATYDDEHHST
 LVSTRHYRAPEVILALGWSQPCDVWSIGCILIEYYLGFTVFQTHDSKEHLAMMERILG
 PIPQHMIQKTRKRKYFHHNQLDWDEHSSAGRYVRRRCKPLKEFMLCHDEEHEKLFD
 LVRRMLEYDPTQRITLDEALQHPFFDLLKKK

Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

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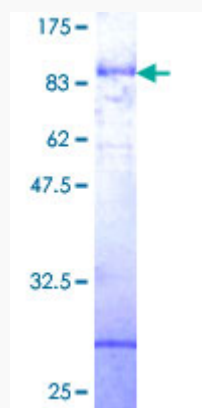
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MIM 607969

UniProt ID Q9HAZ1

Quality Control
Testing:



12.5% SDS-PAGE Stained with Coomassie Blue.

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