

Recombinant Full Length Human CLK4 Protein, GST-tagged

Cat. No. CLK4-2206HF **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	In Vitro Cell Free System
ProteinLength	481 amino acids
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 RSSPKRKRNRHCSSHQSRSKSHRRKRSRSIEDDEEGHLICQSGDVLRARYEIVDTL GEGAFGKVVECIDHGMGMHVAVKIVKNVGRYREARSEIQVLEHLNSTDPNSVFR

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CVQMLEWFDHHGHVCIVFELLGLSTYDFIKENSFLPFQIDHIRQMAYQICQSINFLHH
 NKLTHDLDKPENILFVKSDYVVKYNSKMKRDERTLKNNTDIKVVDGFSATYDDEHHST
 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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MIM	607969
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UniProt ID	Q9HAZ1
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