

Recombinant Full Length Human CLK1 Protein, GST-tagged

Cat. No. CLK1-2203HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CLK1 full-length ORF (NP_004062.2, 1 a.a. - 484 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	484 amino acids
Description	This gene encodes a member of the CDC2-like (or LAMMER) family of dual specificity protein kinases. In the nucleus, the encoded protein phosphorylates serine/arginine-rich proteins involved in pre-mRNA processing, releasing them into the nucleoplasm. The choice of splice sites during pre-mRNA processing may be regulated by the concentration of transacting factors, including serine/arginine rich proteins. Therefore, the encoded protein may play an indirect role in governing splice site selection. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2009]
Molecular Mass	83.7 kDa
AA Sequence	MRHSKRTYCPDWDDKDWDYGKWRSSSSHKRRKRSHSSAQENKRCKYNHMKMCD SHYLESRSINEKDYHSRRYIDEYRNDYTQGCEPGHRQRDHESRYQNHSSKSSGRS GRSSYKSKHRIHHSTSHRRSHGKSHRRKRTRSVEDDEEGHLCQSGDVLSARYEIV DTLGEGAFGKVVCEIDHKAGGRHVAVKIVKNVDRYCEAARSEIQVLEHLNTTDPNST FRCVQMLEWFEHHGHICIVFELLGLSTYDFIKENGFLPFRLDHIRKMAYQICKSVNFL

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HSNKLTHDLDKPENILFVQSDYTEAYNPKIKRDERTLINPDIKVVDGFSATYDDEHHS
 TLVSTRHYRAPEVILALGWSQPCDVWSIGCILIEYYLGFTVFPTHDSKEHLAMMERIL
 GPLPKHMIQKTRKRKYFHHDRLDWDEHSSAGRYVSRCKPLKEFMLSQDVEHERL
 FDLIQKMLEYDPAKRITLREALKHPFFDLLKCSI

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 CLK1 CDC-like kinase 1 [Homo sapiens]

Official Symbol CLK1

Synonyms CLK1; CDC-like kinase 1; dual specificity protein kinase CLK1; CDC28/CDC2-like kinase; protein tyrosine kinase STY; CLK; STY; CLK/STY

Gene ID 1195

mRNA Refseq NM_001162407

Protein Refseq NP_001155879

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MIM	601951
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UniProt ID	P49759
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