

Recombinant Human CLK1

Cat. No. CLK1-27274TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human CLK1 with N terminal proprietary tag, predicted mwt: 79.31 kDa.
Species	Human
Source	Wheat Germ
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.
Molecular Weight	79.310kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MRHSKRTYCPDWDDKDWDYGKWRSSSSHKRRKRSHSSAQE NKRCKYNHSMKC DSHYLESRSINEKDYSRRYIDEYRNDY TQGCEPGHRQRDHESRYQNHSSKSSGR SGRSSYKSKHRIH HSTSHRRSHGKSHRRKRTRSVEDDEEGHLCQSGDVLSAR YE IVDTLGEGAFGKVVCEIDHKAGGRHVAVKIVKNVDRYC EAARSEIQVLEHLNTTDPN STFRCVQMLEWFEHHGHICIV FELLGLSTYDFIKENGFLPFRLDHIRKMAYQICKSVN FLH SNKLTHTDLKPENILFVQSDYTEAYNPKIKRDERTLINPD IKVVDGFSATYDDEH HSTLVSTRHYRAPEVILALGWSQPC DVWSIGCILIEYYLGFTVFPTHDSKEHLAMME RILGPLPK HMIQKTRKRKYFHHDRLDWDEHSSAGRYVSRRCPLKEFM LSQDVEH ERLFDLIQKMLEYDPAKRITLREALKHPFFDLL KCSI
Sequence Similarities	Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. Lammer subfamily.Contains 1 protein kinase domain.

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;
Gene ID	1195
mRNA Refseq	NM_001162407
Protein Refseq	NP_001155879
MIM	601951

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Uniprot ID	P49759
Chromosome Location	2q33
Pathway	Legionellosis, organism-specific biosystem; Legionellosis, conserved biosystem; mRNA processing, organism-specific biosystem;
Function	ATP binding; non-membrane spanning protein tyrosine kinase activity; nucleotide binding; protein serine/threonine kinase activity; protein serine/threonine/tyrosine kinase activity;

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