

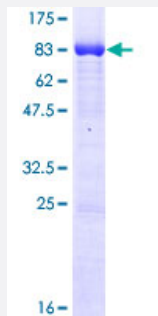
Full-Length

CLK1 (Human) Recombinant Protein (P02)

Catalog # H00001195-P02

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human CLK1 full-length ORF (NP_004062.2, 1 a.a. - 484 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MRHSKRTYCPDWDDKDWDYGKWRSSSSHKRRKRSHSSAQENKRCKYNHSMCDSHYLESRSI
NEKDYHSRRYDEYRNDYTQGCEPGHRQRDHESRYQNHSSKSSGRSGRSSYKSKHRIHHSTSHR
RSHGKSHRRKTRSVEDDEEGHLCQSGDVL SARYEVDTLGEGAFGKVVECIDHKAGGRHVAV
KVKNVDRYCEAARSEIQVLEHLNTTDPNSTFRVCVMLEWFEHHGHICVFELLGLSTYDFIKENG
LPFRLDHIRKMAYQICKSVNFLHSNKLTHDLKPENILFVQSDYTEAYNPKIKRDERTLINPDIKVDF
GSATYDDEHHSTLVSTRHYRAPEVILALGWSQPCDVWSIGCILIEYYLGFTVFPTHDSKEHLAMME
RILGPLPKHMIQKTRKRKYFHHDRLDWDEHSSAGRYVSRCKPLKEFMLSQDVEHERLFDLIQKM
LEYDPAKRITLREALKHPFFDLLKSI

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

83.7

Interspecies Antigen Sequence

Mouse (90); Rat (90)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CLK1

Entrez GeneID	1195
GeneBank Accession#	NM_004071.2
Protein Accession#	NP_004062.2
Gene Name	CLK1
Gene Alias	CLK, CLK/STY, STY
Gene Description	CDC-like kinase 1
Omim ID	601951
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	CDC28/CDC2-like kinase dual specificity protein kinase CLK1 protein tyrosine kinase STY