

# Recombinant Human CDC-like kinase 2/CLK2 Kinase

Catalog No.: RP03452LQ Recombinant

# **Sequence Information**

Species Gene ID Swiss Prot Human 1196 P49760

## Tags

N-His-GST

#### **Synonyms**

CLK2; CDC-like kinase 2; Dual specificity protein kinase CLK2

## **Product Information**

Source	Purification
Baculovirus-Insect	≥ 85% as
Cells	determined by SDS-
	PAGE;≥ 85% as
	determined by
	HPLC.

### Calculated MW Observed MW

87.8 kDa 70-85 kDa

#### **Endotoxin**

< 1 EU/µg of the protein by LAL method.

## **Formulation**

Supplied as a 0.22 µm filtered solution in 50 mM HEPES, 200 mM NaCl, 20% glycerol, 5 mM DTT, 0.1 M Trehalose. (pH 7.5). Contact us for customized product form or formulation.

## Reconstitution

Please use running water to thaw it quickly.

## **Contact**

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## **Background**

Dual specificity protein kinase CLK2 is an enzyme that in humans is encoded by the CLK2 gene. This gene encodes a member of the CLK family of dual specificity protein kinases. CLK family members have shown to interact with, and phosphorylate, serine/arginine-rich (SR) proteins of the spliceosomal complex, which is a part of the regulatory mechanism that enables the SR proteins to control RNA splicing. This protein kinase is involved in the regulation of several cellular processes and may serve as a link between cell cycle progression, apoptosis, and telomere length regulation.

# **Basic Information**

#### Description

Recombinant Human CDC-like kinase 2/CLK2 Kinase is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Met1-Arg499) of Human CLK2 (Accession #P49760) fused with a N-His-GST tag.

#### **Bio-Activity**

The activity of CLK2 is based on the MSA technology, and the content and ratio of the substrate and the product are directly separated and detected in real time and dynamically by the different migration rates of the substrate and the product after the enzymatic reaction.

## **Shipping**

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

#### Storage

Store at -70°C. This product is stable at  $\leq$  -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature.

Aliquots below 10  $\mu\text{L}$  are not advisable. Product must not be stored in diluted solutions. Avoid repeated freeze-thaw cycles.

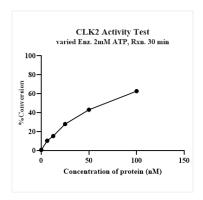
Avoid repeated freeze/thaw cycles.

## **Operational Notes**

For your safety and health, please wear a lab coat and disposable gloves for handling.



Recombinant Human CDC-like kinase 2/CLK2 Kinase was resolved with SDS-PAGE under reducing (Lane 1) and non-reducing (Lane 2) conditions.



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