Recombinant Human CDC-like kinase 2/CLK2 Kinase

Catalog No.: RP03452LQ

Sequence Information

Species
Human

Gene ID
1196

Swiss Prot
P49760

Tags
N-His-GST

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

Product Information

Source
Baculovirus-Insect Cells

Purification
≥ 85% as determined by SDS-PAGE;≥ 85% as determined by HPLC.

Calculated MW
87.8 kDa

Observed MW
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.

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.

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
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -70℃

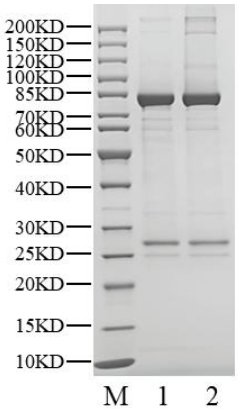
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

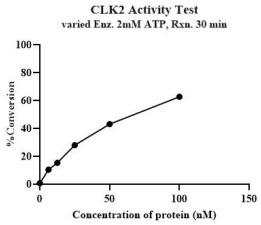
400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

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Validation Data



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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