

Recombinant Human CDC-like kinase 3/CLK3 Kinase

Catalog No.: RP03453LQ Recombinant

Sequence Information

Species Gene ID Swiss Prot Human 1198 P49761

Tags

N-His-GST

Synonyms

CLK3; CDC-like kinase 3; Dual specificity protein kinase CLK3

Product Information

Source Purification

Baculovirus-Insect ≥ 85% as

Cells determined by SDSPAGE;≥ 85% as
determined by
HPLC.

Calculated MW Observed MW

86.3 kDa 70-85 kDa

Endotoxin

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

Formulation

Supplied as a 0.22 μ m 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

<u>a</u>		400-999-6126
\bowtie		cn.market@abclonal.com.cn
•	Т	www.abclonal.com.cn

Background

Dual specificity protein kinase CLK3 is an enzyme that in humans is encoded by the CLK3 gene. The CLK3 gene encodes a serine/threonine type protein kinase with a nonconserved N-terminal domain. A long and short isoform (phclk3 and pclk3/152) result from alternative splicing and coexist in different tissues. Isoform phclk3/152 lacks the kinase domain.

Basic Information

Description

Recombinant Human CDC-like kinase 3/CLK3 Kinase is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Met1-Arg490) of Human CLK3 (Accession #P49761) fused with a N-His-GST tag.

Bio-Activity

The activity of CLK3 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 μ L are not advisable. Product must not be stored in diluted solutions. Avoid repeated freeze-thaw cycles.

Avoid repeated freeze/thaw cycles.

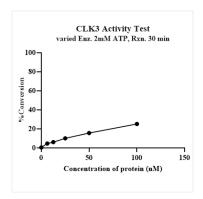
Operational Notes

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

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Recombinant Human CDC-like kinase 3/CLK3 Kinase was resolved with SDS-PAGE under reducing (Lane 1) and non-reducing (Lane 2) conditions.



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