Recombinant Human CDC-like kinase 3/CLK3 Kinase

Catalog No.: RP03453LQ

Sequence Information

Species
Human

Gene ID
1198

Swiss Prot
P49761

Tags
N-His-GST

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

Product Information

Source
Baculovirus-Insect Cells

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

Calculated MW
86.3 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 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 non-conserved 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.

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
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℃

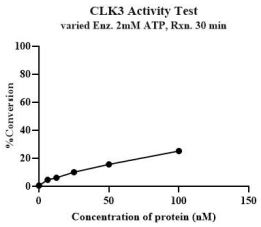
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

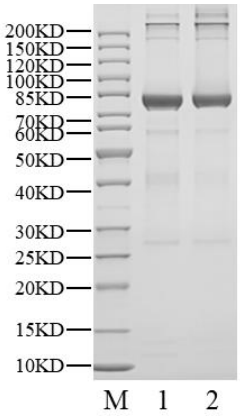
400-999-6126
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For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



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.



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