Leader in Biomolecular Solutions for Life Science

www.abclonal.com

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 Cells	≥ 85% as determined by SDS-PAGE;≥ 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 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

400-999-6126

cn.market@abclonal.com.cn

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 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.

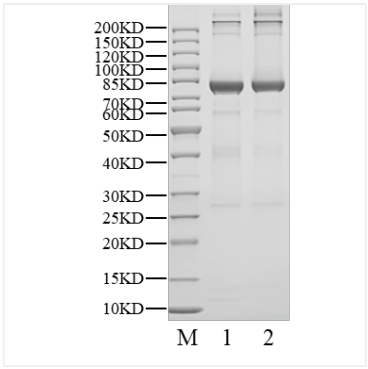
Basic Information

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.

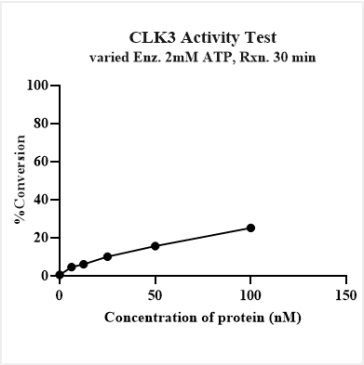
Bio-Activity
The activity of CLK3 is based on the MSA technology, and the content and ratio of the substrate and the product are directly separated and detected in real time and dynamically by the different migration rates of the substrate and the product after the enzymatic reaction.

Storage
Store at -70°C. This product is stable at ≤ -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 μL are not advisable. Product must not be stored in diluted solutions. Avoid repeated freeze-thaw cycles.
Avoid repeated freeze/thaw cycles.

Validation Data



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



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.