Recombinant Human CDC-like kinase 1/CLK1 Kinase

Catalog No.: RP03451LQ

Sequence Information

Species
Human

Gene ID
1195

Swiss Prot
P49759

Tags
N-His-GST

Synonyms
CLK1; CLK; CDC-like kinase 1; Dual specificity protein kinase CLK1

Product Information

Source
Baculovirus-Insect Cells

Purification
≥ 90 % as determined by SDS-PAGE;≥ 90 % as determined by HPLC.

Calculated MW
69.3 kDa

Observed MW
60-70 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 CLK1 is an enzyme that in humans is encoded by the CLK1 gene. This gene encodes a member of the CDC2-like (or LAMMER) family of dual specificity protein kinases. In the cell nucleus, the encoded protein phosphorylates serine/arginine-rich proteins involved in pre-mRNA processing, releasing them into the nucleoplasm. The choice of splice sites during pre-mRNA processing may be regulated by the concentration of transacting factors, including serine/arginine-rich proteins. Therefore, the encoded protein may play an indirect role in governing splice site selection.

Basic Information

Description
Recombinant Human CDC-like kinase 1/CLK1 Kinase is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (His129-Ile484) of Human CLK1 (Accession #P49759) fused with a N-His-GST tag.

Activity
The activity of CLK1 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℃

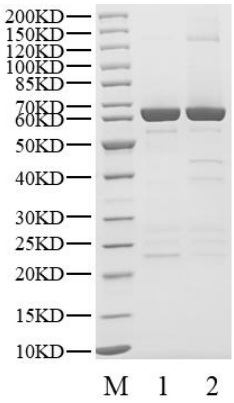
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

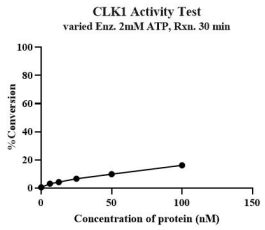
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Validation Data



Recombinant Human CDC-like kinase 1/CLK1 Kinase was resolved with SDS-PAGE under reducing (Lane 1) and non-reducing (Lane 2) conditions.



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