Recombinant Human CDK6&Cyclin D3 Kinase

Catalog No.: RP03317LQ

Sequence Information

Species	Gene ID
Human	1021&896

Swiss Prot	Tags
Q00534&P30281	N-GST (CDK6) & N-His (Cyclin D3)

Synonyms

CDK6; CDKN6; Cyclin-dependent kinase 6; Cyclin D3; CCND3; G1/S-specific cyclin-D3

Product Information

Source	Purification
Baculovirus-Insect Cells	≥ 90 % as determined by SDS-PAGE;≥ 90 % as determined by HPLC.

Calculated MW	Observed MW
63.5 kDa/35.0 kDa	50-60 kDa/30-40 kDa

Endotoxin

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

Formulation

Supplied as a 0.22 μm filtered solution in 50 mM Tris-HCl, 150 mM NaCl, 5% glycerol. (pH 7.5). Contact us for customized product form or formulation.

Reconstitution

Please use running water to thaw it quickly.

Background

CDK6 also known as cell division protein kinase 6 is a member of the cyclin-dependent kinase family of Ser/Thr protein kinases. It is positively regulated primarily by its union to the D cyclins D1, D2 and D3. The activity of CDK6 first appears in mid-G1 phase, which is controlled by the Cyclin D and members of INK4 family of CDK inhibitors. CDK6, as well as CDK4, has been shown to phosphorylate, and thus regulate the activity of, tumor suppressor Retinoblastoma protein making CDK6 an important protein in cancer development.

Basic Information

Description

Recombinant Human CDK6&Cyclin D3 Protein is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Met1-Ala326 (CDK6) & Met1-Leu292 (Cyclin D3)) of Human CDK6&CCND3 (Accession #Q00534&P30281) fused with a N-GST (CDK6) & N-His (Cyclin D3) tag.

Activity

The activity of CDK6/Cyclin D3 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

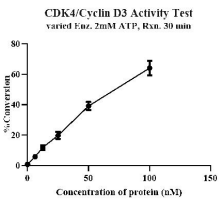
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

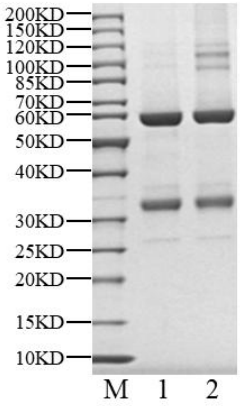
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Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



The activity of CDK6/Cyclin D3 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 CDK6&Cyclin D3 Kinase was determined by SDS-PAGE under reducing (R) and non-reducing (NR) conditions.

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