

# Recombinant Human CaMKI delta/CAMK1D Kinase

Catalog No.: RP03430LQ Recombinant

## **Sequence Information**

Species Gene ID Swiss Prot Human 57118 O8IU85

Tags

N-GST

**Synonyms** 

CAMK1D; CAMKID; CaMK18; CaM kinase I delta; CaM kinase ID; CaM-KI delta; CaMKI delta; CaMKID; CaMKI-like protein kinase; Calcium/calmodulin-dependent protein kinase type 1D

#### **Product Information**

# Source

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

**Purification** 

#### Calculated MW Observed MW

69.4 kDa

55-70 kDa

#### **Endotoxin**

< 1 EU/ $\mu g$  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, 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**

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## **Background**

Calcium/calmodulin-dependent protein kinase ID is a protein in humans that is encoded by the CAMK1D gene. This gene encodes a member of the Ca2+/calmodulin-dependent protein kinase 1 subfamily of serine/threonine kinases. The encoded protein may be involved in the regulation of granulocyte function through the chemokine signal transduction pathway. Alternatively spliced transcript variants encoding different isoforms of this gene have been described.

#### **Basic Information**

#### **Description**

Recombinant Human CaMKI delta/CAMK1D Kinase is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Ala2-Lys385) of Human CAMK1D (Accession #Q8IU85) fused with a N-GST tag.

#### **Bio-Activity**

The activity of CaMK1 $\delta$  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  $-70^{\circ}$ C. This product is stable at  $\leq -70^{\circ}$ 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  $\mu\text{L}$  are not advisable. Product must not be stored in diluted solutions. Avoid repeated freeze-thaw cycles.

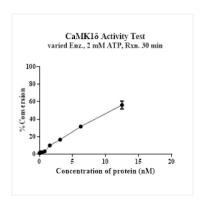
Avoid repeated freeze/thaw cycles.

## **Operational Notes**

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



Recombinant Human CaMKI delta/CAMK1D Kinase was resolved with SDS-PAGE under reducing (Lane 1) and non-reducing (Lane 2) conditions.



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