Recombinant Human CaMKI delta/CAMK1D Kinase

Catalog No.: RP03430LQ

Sequence Information

Species
Human

Gene ID
57118

Swiss Prot
Q8IU85

Tags
N-GST

Synonyms
CAMK1D; CAMKID; CaMK1δ; 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

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

Calculated MW
69.4 kDa

Observed MW
55-70 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, 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

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.

Activity
The activity of CaMK1δ 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℃

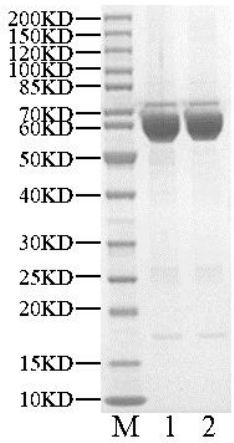
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

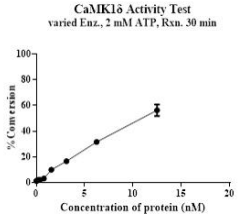
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Validation Data



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



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