Recombinant Human MRCK beta/CDC42BPB Kinase

Catalog No.: RP03454LQ

Sequence Information

Species	Gene ID
Human	9578
Swiss Prot	**Tags**
Q9Y5S2	N-GST

Synonyms
MRCKβ; CDC42BPB; KIAA1124; CDC42-binding protein kinase beta; CDC42BP-beta; DMPK-like beta; MRCK beta; Myotonic dystrophy protein kinase-like beta; Serine/threonine-protein kinase MRCK beta

Product Information

Source	Purification
Baculovirus-Insect Cells	≥ 90 % as determined by SDS-PAGE;≥ 90 % as determined by HPLC.
Calculated MW	**Observed MW**
81.1 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 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

CDC42 binding protein kinase beta is a protein that in humans is encoded by the CDC42BPB gene. This gene encodes a member of the serine/threonine protein kinase family. The encoded protein contains a Cdc42/Rac-binding p21 binding domain resembling that of PAK kinase. The kinase domain of this protein is most closely related to that of myotonic dystrophy kinase-related ROK. Studies of the similar gene in rats suggested that this kinase may act as a downstream effector of Cdc42 in cytoskeletal reorganization.

Basic Information

Description
Recombinant Human MRCK beta/CDC42BPB Kinase is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Ser2-Gly473) of Human CDC42BPB (Accession #Q9Y5S2) fused with a N-GST tag.

Activity
The activity of MRCKβ 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℃

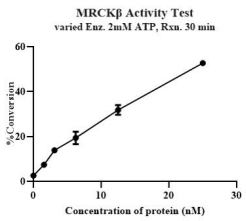
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

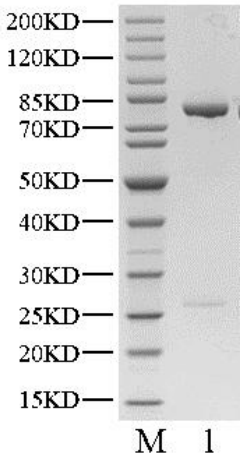
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Validation Data



The activity of MRCKβ 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 MRCK beta/CDC42BPB Kinase was resolved with SDS-PAGE under reducing (Lane 1) conditions.

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