Recombinant Human DYRK2 Kinase

Catalog No.: RP03434LQ

Sequence Information

Species
Human

Gene ID
8445

Swiss Prot
Q92630

Tags
N-GST

Synonyms
DYRK2; Dual specificity tyrosine-phosphorylation-regulated kinase 2

Product Information

Source
E. coli

Purification
≥ 80 % as determined by SDS-PAGE;≥ 80 % as determined by HPLC.

Calculated MW
93.0 kDa

Observed MW
80-100 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, 500 mM NaCl, 5% glycerol. (pH 8.0). Contact us for customized product form or formulation.

Reconstitution
Please use running water to thaw it quickly.

Background

Dual specificity tyrosine-phosphorylation-regulated kinase 2 is an enzyme, in particular a dual-specificity kinase, that in humans is encoded by the DYRK2 gene. DYRK2 belongs to a family of protein kinases whose members are presumed to be involved in cellular growth and development. The family is defined by structural similarity of their kinase domains and their capability to autophosphorylate on tyrosine residues. DYRK2 has demonstrated tyrosine autophosphorylation and catalyzed phosphorylation of histones H3 and H2B in vitro.

Basic Information

Description
Recombinant Human DYRK2 Kinase is produced by E. coli expression system. The target protein is expressed with sequence (Leu2-Ser601) of Human DYRK2 (Accession #Q92630) fused with a N-GST tag.

Activity
The activity of DYRK2 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℃

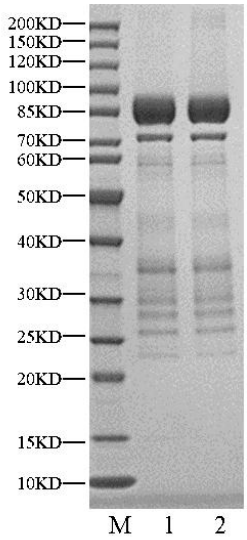
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

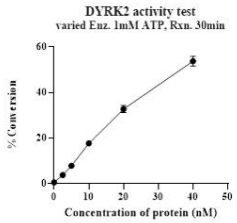
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Validation Data



Recombinant Human DYRK2 Kinase was resolved with SDS-PAGE under reducing (Lane 1) and non-reducing (Lane 2) conditions.



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