

Thermostable Bacterial Ribokinase, 80°C

Cat. No. CEGZ-6421

Lot. No. (See product label)

Introduction

Description

A recombinant bacterial ribokinase with thermal stability up to 80°C for high-temperature ribose phosphorylation workflows.

Applications

For research and in vitro ATP-dependent preparation of D-ribose 5-phosphate and related phosphorylated ribose derivatives at elevated temperatures.

Synonyms

RK; deoxyribokinase; D-ribokinase; ATP:D-ribose 5-phosphotransferase

Product Information

Species

Bacterial

Source

Recombinant E. coli

Form

Liquid

EC Number

EC 2.7.1.15

CAS No.

9026-84-0

Molecular Weight

33.9 kDa

Thermal stability

Thermostable up to 80°C

Specificity

D-ribose and related ribose derivatives; ATP-dependent phosphorylation at O-5.

Substrates

ATP; D-ribose

Reaction

ATP + D-ribose = ADP + D-ribose 5-phosphate

Notes

Recombinant protein produced in E. coli and purified by heat treatment and His-tag affinity chromatography. Optimal reaction time and enzyme concentration may vary depending on the substrate.

Usage

Research and in vitro use only.

Storage and Shipping Information

Storage

-20°C