Creative Enzymes®

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