



Recombinant E. coli RihC Broad-Spectrum Ribonucleoside Hydrolase

Cat. No. CEGZ-6424

Lot. No. (See product label)

Introduction

Description

A recombinant E. coli RihC hydrolase with broad activity toward both purine and pyrimidine ribonucleosides.

Applications

For research and in vitro hydrolysis of diverse ribonucleosides to ribose and the corresponding purine or pyrimidine base.

Synonyms

Ec-RihC; RNH; Ec-YaaF; non-specific ribonucleoside hydrolase; purine-nucleoside ribohydrolase

Product Information

Species

Escherichia coli

Source

Recombinant E. coli

Form

Liquid

EC Number

EC 3.2.2.1 / EC 3.2.2.8

CAS No.

9025-44-9 / 37288-60-1

Molecular Weight

34.0 kDa

Specificity

Purine and pyrimidine ribonucleosides; activity order: uridine > xanthosine > inosine > adenosine > cytidine > guanosine.

Substrates

Uridine; xanthosine; inosine; adenosine; cytidine; guanosine

Reaction

Purine nucleoside + H₂O = D-ribose + purine base
Pyrimidine nucleoside + H₂O = D-ribose + pyrimidine base

Notes

Mesophilic recombinant enzyme produced in E. coli and purified by 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