

Recombinant E. coli RihA Pyrimidine Ribonucleoside Hydrolase

Cat. No. CEGZ-6422

Lot. No. (See product label)

Introduction

Description

A recombinant E. coli RihA ribonucleoside hydrolase that selectively hydrolyzes pyrimidine ribonucleosides.

Applications

For research and in vitro hydrolysis of cytidine, uridine, and related pyrimidine ribonucleosides to ribose and the corresponding base.

Synonyms

Ec-RihA; RNH; Ec-YbeK; ribosylpyrimidine nucleosidase; pyrimidine nucleoside hydrolase; N-ribohydrolase; N-ribosylpyrimidine nucleosidase; pyrimidine-nucleoside ribohydrolase

Product Information

Species

Escherichia coli

Source

Recombinant E. coli

Form

Liquid

EC Number

EC 3.2.2.8

CAS No.

37288-60-1

Molecular Weight

35.2 kDa

Specificity

Strictly specific for ribonucleosides; cytidine and uridine are accepted with similar efficiency.

Substrates

Cytidine; uridine; pyrimidine ribonucleosides

Reaction

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