

## Recombinant E. coli RihB Cytidine-Preferring Ribonucleoside Hydrolase

Cat. No. CEGZ-6423

Lot. No. (See product label)

### Introduction

#### Description

A recombinant E. coli RihB ribonucleoside hydrolase with a clear preference for cytidine over uridine and slower activity toward purine ribonucleosides.

#### Applications

For research and in vitro hydrolysis of pyrimidine ribonucleosides where cytidine-preferring substrate selectivity is useful.

#### Synonyms

Ec-RihB; RNH; Ec-YeiK; 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

35.1 kDa

#### Specificity

Ribonucleosides only; cytidine > uridine, with much slower conversion of purine ribonucleosides.

#### Substrates

Cytidine; uridine; selected purine ribonucleosides

#### Reaction

Pyrimidine nucleoside + H<sub>2</sub>O = 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