Creative Enzymes®

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