Creative Enzymes®

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 + 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