Creative Enzymes®

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