

Native Crotalus atrox venom 5'-Nucleotidase

Cat. No. NATE-0072

Lot. No. (See product label)

Introduction

Description 5'-nucleotidase is an enzyme with system name 5'-ribonucleotide phosphohydrolase. This enzyme catalyses the following chemical reaction: a 5'-ribonucleotide + H₂O ⇌ a ribonucleoside + phosphate. This enzyme has a wide specificity for 5'-nucleotides.

Synonyms uridine 5'-nucleotidase; 5'-adenylic phosphatase; adenosine 5'-phosphatase; AMP phosphatase; adenosine monophosphatase; 5'-mononucleotidase; AMPase; UMPase; snake venom 5'-nucleotidase; thymidine monophosphate nucleotidase; 5'-AMPase; 5'-AMP nucleotidase; AMP phosphohydrolase; IMP 5'-nucleotidase; EC 3.1.3.5

Product Information

Source Crotalus atrox

Form Liquid. In TRIS-HCl, pH 7.4, 125mM sodium chloride, 1mM magnesium chloride and 10% (v/v) glycerol.

EC Number EC 3.1.3.5

CAS No. 9027-73-0

Activity 5000kU/ml

Unit Definition One U will release 1pmol phosphate per minute from 200μM 5'-AMP, 30°C in a reaction buffer of 10mM Tris-HCl, pH 7.4, 0.2mM MgCl₂.

Storage and Shipping Information

Storage -80°C