Creative Enzymes®

Native Baker's yeast (S. cerevisiae) Nucleoside 5'-Diphosphate Kinase

Cat. No. NATE-0476

Lot. No. (See product label)

Introduction

Description	Nucleoside 5'-diphosphate kinase is a cytosolic enzyme. Nucleoside 5'-diphosphate kinase from Saccharomyces cerevisiae is found highly expressed in the cytoplasm. It affects DNA synthesis, in part, by binding to Cdc8p.
Applications	Nucleoside 5′-diphosphate kinase has been used in a study to examine a possible intracellular activity of the drug disodium cromoglycate in mast cells. It has also been used in a study to investigate protein synthesis in rabbit reticul ocytes.
Synonyms	nucleoside 5'-diphosphate kinase; nucleoside diphosphate (UDP) kinase; nucleoside diphosphokinase; nucleotide phosphate kinase; UDP kinase; uridine diphosphate kinase; nucleoside-diphosphate kinase; EC 2.7.4.6; 9026-51-1; NDPK

Product Information

Source	Baker's yeast (S. cerevisiae)
Form	lyophilized powder; essentially sulfate-free powder. Contains sodium Citrate with a trace of magnesium and EDTA salts.
EC Number	EC 2.7.4.6
CAS No.	9026-51-1
Buffer	Reconstitute with deionized water. Solution is believed to be stable for over 1 year while frozen.
Unit Definition	One unit will convert 1.0 µmole each of TDP and ATP to TTP and ADP per min at pH 7.6 at 25°C in a coupled system with PK/LDH.

Storage and Shipping Information

Storage	−20°C