

## 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 reticulocytes.

**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  $\mu$ mole 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