Creative Enzymes®

Native Baker's yeast Uridine-5'-diphosphoglucose pyrophosphorylase

Cat. No. NATE-0728

Lot. No. (See product label)

Introduction

Description UTP-glucose-1-phosphate uridylyltransferase is an enzyme associated with glycogenesis. It synthesizes UDP-glucose from glucose-1-phosphate and UTP; i.e., glucose-1-phosphate + UTP↔ UDP-glucose + pyrophosphate.

Applications Uridine-5′-diphosphoglucose pyrophosphorylase has been used in assays to determine the concentration of pyrophosphate in human urine samples.

Synonyms UDP glucose pyrophosphorylase; glucose-1-phosphate uridylyltransferase; UDPG phosphorylase; UDPG pyrophosphorylase; uridine 5'-diphosphoglucose pyrophosphorylase; uridine diphosphoglucose pyrophosphorylase; uridine diphosphate-D-glucose pyrophosphorylase; uridine-diphosphate glucose pyrophosphorylase; EC 2.7.7.9; 9026-22-6

Product Information

Source Baker's yeast

Form Lyophilized, sulfate-free powder containing Citrate buffer salt

EC Number EC 2.7.7.9

CAS No. 9026-22-6

Activity > 50 units/mg protein

Unit Definition One unit will form 1.0 µmole of glucose 1-phosphate from uridine-5'-diphosphoglucose and inorganic pyrophosphate per min at pH 7.6 at 25°C.

Storage and Shipping Information

Storage −20°C