

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