Creative Enzymes®

UDP-Sugar pyrophosphorylase from Bifidobacterium longum, Recombinant

Cat. No. NATE-1499

Lot. No. (See product label)

Introduction

Description In enzymology, an UTP-monosaccharide-1-phosphate uridylyltransferase (EC 2.7.7.64) is an enzyme that catalyzes the chemical reaction: UTP + a monosaccharide 1-phosphate → diphosphate + UDP-monosaccharide. Thus, the two substrates of this enzyme are UTP and monosaccharide 1-phosphate, whereas its two products are diphosphate and UDP-monosaccharide.

Synonyms UTP-monosaccharide-1-phosphate uridylyltransferase; EC 2.7.7.64; UDP-sugar pyrophosphorylase; USP

Product Information

Species Bifidobacterium longum

Source E. coli

EC Number EC 2.7.7.64

CAS No. 223918-15-8

Purity min 95% by SDS-PAGE

Unit Definition One unit is defined as the amount of enzyme that catalyzes the formation of 1 μmol of UDP-Gal from Gal-1-P and UTP per minute at 37 °C.