Creative Enzymes®

2-Deoxyribose 5-phosphate Aldolase from E. coli, Recombinant

Cat. No. NATE-0794

Lot. No. (See product label)

Introduction

Description	Deoxyriboaldolase catalyzes the condensation of acetaldehyde and glyceraldehyde 3-phosphate to 2-deoxyribose 5-phosphate. This enzyme belongs to the family of lyases, specifically the aldehyde-lyases, which cleave carbon-carbon bonds. This enzyme participates in pentose phosphate pathway.
Synonyms	2-deoxy-D-ribose-5-phosphate acetaldehyde-lyase (D-glyceraldehyde-3-phosphate-forming); phosphodeoxyriboaldolase; deoxyriboaldolase; deoxyribose-5-phosphate aldolase; 2-deoxyribose-5-phosphate aldolase; 2-deoxy-D-ribose-5-phosphate acetaldehyde-lyase; deoxyribose-phosphate aldolase; EC 4.1.2.4; DERA; 9026-97-5

Product Information

Species	E. coli
Source	E. coli K12
EC Number	EC 4.1.2.4
CAS No.	9026-97-5
Activity	>2 U/mg
Unit Definition	1 U corresponds to the amount of enzyme which converts 1 μmol 2-Deoxy-D-ribose-5-phosphate per minute at pH 7.5 and 25°C.

Storage and Shipping Information

Storage	Store at -20°C