

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 μ mol 2-Deoxy-D-ribose-5-phosphate per minute at pH 7.5 and 25°C.

Storage and Shipping Information

Storage

Store at -20°C