

L-fucose-1-phosphate aldolase from *Thermus thermophilus* HB8, Recombinant

Cat. No. NATE-1502

Lot. No. (See product label)

Introduction

Description

In enzymology, a L-fucose-phosphate aldolase (EC 4.1.2.17) is an enzyme that catalyzes the chemical reaction: L-fucose-1-phosphate → glyceraldehyde phosphate + (S)-lactaldehyde. Hence, this enzyme has one substrate, L-fucose-1-phosphate, and two products, glyceraldehyde phosphate and (S)-lactaldehyde. This enzyme belongs to the family of lyases, specifically the aldehyde-lyases, which cleave carbon-carbon bonds.

Synonyms

L-fucose-1-phosphate (S)-lactaldehyde-lyase (glyceraldehyde-phosphate-forming); L-fucose 1-phosphate aldolase; fucose aldolase; L-fucose-1-phosphate lactaldehyde-lyase; L-fucose-phosphate aldolase; EC 4.1.2.17

Product Information

Species

Thermus thermophilus HB8

Source

E. coli

EC Number

EC 4.1.2.17

CAS No.

9024-54-8

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 L-fucose 1-phosphate per minute at 37 °C.