Creative Enzymes®

2-dehydro-3-deoxy-D-gluconate aldolase

Cat. No. EXWM-4888

Lot. No. (See product label)

Introduction

Description	The enzyme from the archaeon Picrophilus torridus is involved in D-glucose and D-galactose catabolism via the nonphosphorylative variant of the Entner-Doudoroff pathway. In the direction of aldol synthesis the enzyme catalyses the formation of 2-dehydro-3-deoxy-D-gluconate and 2-dehydro-3-deoxy-D-galactonate at a similar ratio. It shows no activity with 2-dehydro-3-deoxy-D-gluconate 6-phosphate. cf. EC 4.1.2.14, 2-dehydro-3-deoxy-phosphogluconate aldolase.
Synonyms	Pto1279 (gene name); KDGA; KDG-specific aldolase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 4.1.2.51
Reaction	2-dehydro-3-deoxy-D-gluconate = pyruvate + D-glyceraldehyde
Notes	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage	Store it at +4 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.