Creative Enzymes®

3-deoxy-8-phosphooctulonate synthase

Cat. No. EXWM-2792

Lot. No. (See product label)

Introduction

Description	This enzyme belongs to the family of transferases, specifically those transferring aryl or alkyl groups other than methyl groups. This enzyme participates in lipopolysaccharide biosynthesis.
Synonyms	2-dehydro-3-deoxy-D-octonate-8-phosphate D-arabinose-5-phosphate-lyase (pyruvate-phosphorylating); 2-dehydro-3-deoxy-phosphooctonate aldolase; 2-keto-3-deoxy-8-phosphooctonic synthetase; 3-deoxy-D-manno-octulosonate-8-phosphate synthase; 3-deoxy-D-mannooctulosonate-8-phosphate synthetase; 3-deoxyoctulosonic 8-phosphate synthetase; KDOP synthase; phospho-2-keto-3-deoxyoctonate aldolase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.5.1.55
CAS No.	9026-96-4
Reaction	phosphoenolpyruvate + D-arabinose 5-phosphate + H2O = 3-deoxy-D-manno-octulosonate 8-phosphate + phosphate
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 ℃.