Creative Enzymes®

3-deoxy-D-glycero-D-galacto-nononate 9-phosphate synthase

Cat. No. EXWM-2748

Lot. No. (See product label)

Introduction

Description	The enzyme participates in the biosynthesis of the sialic acid 3-deoxy-D-glycero-D-galacto-nononate (KDN). The human sialic acid synthase (EC 2.5.1.57) is also able to catalyse the reaction. KDN is abundant in extracellular glycoconjugates of lower vertebrates such as fish and amphibians, but is also found in the capsular polysaccharides of bacteria that belong to the Bacteroides genus.
Synonyms	2-keto-3-deoxy-D-glycero-D-galacto-9-phosphononononic acid synthase; KDN 9-P synthase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.5.1.132
Reaction	phosphoenolpyruvate + D-mannose 6-phosphate + H2O = 3-deoxy-D-glycero-D-galacto-nononate 9-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 ℃.