

D-glycero- β -D-manno-heptose-7-phosphate kinase

Cat. No. EXWM-2997

Lot. No. (See product label)

Introduction

Description The bifunctional protein hldE includes D-glycero- β -D-manno-heptose-7-phosphate kinase and D-glycero- β -D-manno-heptose 1-phosphate adenylyltransferase activity (cf. EC 2.7.7.70). The enzyme is involved in biosynthesis of ADP-L-glycero- β -D-manno-heptose, which is utilized for assembly of the lipopolysaccharide inner core in Gram-negative bacteria. The enzyme selectively produces D-glycero- β -D-manno-heptose 1,7-bisphosphate.

Synonyms heptose 7-phosphate kinase; D- β -D-heptose 7-phosphotransferase; D- β -D-heptose-7-phosphate kinase; HldE1 heptokinase; glycero-manno-heptose 7-phosphate kinase; D- β -D-heptose 7-phosphate kinase/D- β -D-heptose 1-phosphate adenylyltransferase; hldE (gene name); rfaE (gene name)

Product Information

Form Liquid or lyophilized powder

EC Number EC 2.7.1.167

Reaction D-glycero- β -D-manno-heptose 7-phosphate + ATP = D-glycero- β -D-manno-heptose 1,7-bisphosphate + ADP

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 °C for short term. For long term storage, store it at -20 °C~-80 °C.