DNA ligase (ATP, ADP or GTP)

Cat. No. EXWM-5826

Lot. No. (See product label)

Introduction

Description	The enzymes from the archaea Hyperthermus butylicus and Sulfophobococcus zilligii are active with ATP, ADP or GTP. They show no activity with NAD+. Different from EC 6.5.1.1, DNA ligase (ATP), which is specific for ATP, and EC 6.5.1.6, DNA ligase (ATP or NAD+) which can utilize either ATP or NAD+.

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 6.5.1.7
Reaction	(1) ATP + (deoxyribonucleotide)n + (deoxyribonucleotide)m = AMP + diphosphate + (deoxyribonucleotide)n+m; (2) ADP + (deoxyribonucleotide)n + (deoxyribonucleotide)m = AMP + phosphate + (deoxyribonucleotide)n+m; (3) GTP + (deoxyribonucleotide)n + (deoxyribonucleotide)m = GMP + diphosphate + (deoxyribonucleotide)n+m
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 ℃.