Creative Enzymes®

Recombinant Drosophila melanogaster Deoxynucleoside kinase

Cat. No. EXWM-2975

Lot. No. (See product label)

Introduction

Description	The deoxynucleoside kinase NK12 is a mesophilic enzyme originating from Drosophila melanogaster. It phosphorylates deoxynucleosides to dNMPs using (d)ATP as phosphate donor. The enzyme differs from other 2'-deoxyribonucleoside kinases [EC 2.7.1.76 (2'-deoxyadenosine kinase) and EC 2.7.1.113 (deoxyguanosine kinase)] in its broad specificity for all four common deoxynucleosides. The quasi-irreversible transfer of phosphate from the high energy donor to the nucleoside enables high NMP yields.

Product Information

Species	Drosophila melanogaster
Source	E.coli
Form	Liquid
EC Number	EC 2.7.1.145
CAS No.	52227-81-3
Molecular Weight	30.5 kDa
Activity	Not detected
Reaction	ATP + a 2'-deoxyribonucleoside = ADP + a 2'-deoxyribonucleoside 5'-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 at -20°C