

## 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

<b>Species</b>	<i>Drosophila melanogaster</i>
<b>Source</b>	<i>E.coli</i>
<b>Form</b>	Liquid
<b>EC Number</b>	EC 2.7.1.145
<b>CAS No.</b>	52227-81-3
<b>Molecular Weight</b>	30.5 kDa
<b>Activity</b>	Not detected
<b>Reaction</b>	ATP + a 2'-deoxyribonucleoside = ADP + a 2'-deoxyribonucleoside 5'-phosphate
<b>Notes</b>	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

<b>Storage</b>	Store at -20°C
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