

Active Recombinant E.coli Thymidine phosphorylase, His tagged

Cat. No. DeoA-07E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The thymidine phosphorylase is a mesophilic enzyme originating from Escherichia coli. Recombinant from E. coli, purified by His6-Tag affinity chromatography. Produced and sold for research purposes and in vitro use only.
Species	E.coli
Source	E.coli
Description	Thymidine phosphorylases catalyze the reversible phosphorolytic breakdown of the N-glycosidic bond of thymidine with the formation of thymine and deoxyribose-1-phosphate.
Form	Liquid, buffered
Molecular Mass	48.6 kDa
Storage	4 centigrade
EC No.	2.4.2.4
CAS No.	9030-23-3
Catalyzed reaction(s)	thymidine + phosphate = thymine + 2-deoxy-α-D-ribose 1-phosphate

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Example reaction conditions	N/A Please note that optimal reaction conditions - especially reaction time and/or enzyme concentration - may vary depending on the substrate.
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Other characteristics	Mesophilic
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GENE INFORMATION

Official Symbol	DeoA
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Synonyms	DeoA; TP; TdRPase; Tpase; thymidine-orthophosphate deoxyribosyltransferase; deoxythymidine phosphorylase; dthdpase; pyrimidine phosphorylase; thymidine:phosphate deoxy- α -D-ribosyltransferase
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