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## Datasheet for ABIN7319085 **DTYMK Protein (His tag)**



Overview	
Quantity:	50 µg
Target:	DTYMK
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DTYMK protein is labelled with His tag.
Product Details	
Product Details Purpose:	Recombinant Human Thymidylate Kinase/DTYMK Protein (His Tag)
	Recombinant Human Thymidylate Kinase/DTYMK Protein (His Tag) Met 1-Lys212
Purpose:	
Purpose: Sequence:	Met 1-Lys212 Recombinant Human Thymidylate kinase is produced by our Mammalian expression system

## Target Details

Target:	DTYMK
Alternative Name:	Thymidylate Kinase/DTYMK (DTYMK Products)
Background:	Background: Thymidylate kinase (DTYMK) is a ubiquitous enzyme of about 25 kD which
	belongs to thymidylate kinase family. DTYMK is important in the dTTP synthesis pathway for DNA synthesis. It participated in the pyrimidine metabolism pathway and dTTP biosynthesis

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## Target Details

	pathway. DTYMK catalyzes the conversion of dTMP to dTDP and catalyzes the phosphorylation
	of thymidine 5'-monophosphate (dTMP) to form thymidine 5'-diphosphate (dTDP) in the
	presence of ATP and magnesium. Structural and functional analyses suggest that the cDNA
	codes for authentic human dTMP kinase. The mRNA levels and enzyme activities corresponded
	to cell cycle progression and cell growth stages.
	Synonym: Thymidylate kinase,dTMP kinase,DTYMK,CDC8, TMPK, TYMK
Molecular Weight:	24.9 kDa
UniProt:	P23919
Pathways:	Nucleotide Phosphorylation
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Frozen, Liquid
Buffer:	Supplied as a 0.2 $\mu m$ filtered solution of 20 mM PB,150 mM NaCl, pH 7.4.
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.