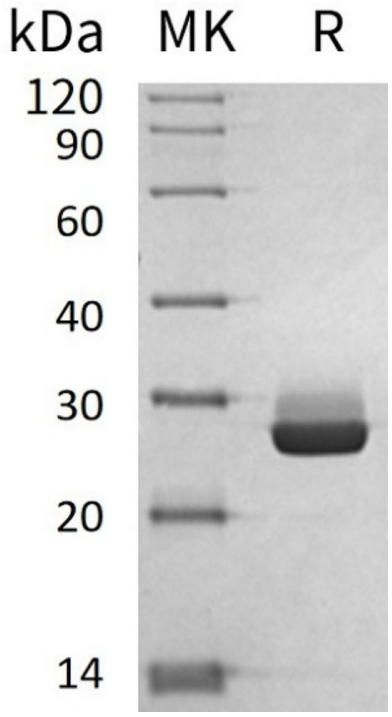
Product Name: Recombinant Human DTYMK (C-6His)
Catalog #: PHH1642

Summary

Name	Thymidylate kinase/DTYMK
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Thymidylate Kinase is produced by our Mammalian expression system and the target gene encoding Met1-Lys212 is expressed with a 6His tag at the C-terminus.
Accession #	P23919
Host	Human Cells
Species	Human
Predicted Molecular Mass	24.9 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, 10% Sucrose, 0.05% Tween 80, 20% Glycerol, 1mM EDTA, pH8.0.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image

Product Name: Recombinant Human DTYMK (C-6His)
Catalog #: PHH1642



Alternative Names

Thymidylate kinase;dTMP kinase;DTYMK;CDC8; TMPK; TYMK

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 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.

Note

For Research Use Only , Not for Diagnostic Use.