

Recombinant Human DTYMK, His-tagged

Cat. No. DTYMK-28069TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length human DTYMK (aa 1-212) with a N terminal His tag; 26kDa, 232aa inclusive of tag.
Species	Human
Source	E.coli
ProteinLength	212 amino acids
Description	Thymidylate kinase also known as deoxythymidylate kinase or dTMP kinase is an enzyme that in humans is encoded by the DTYMK gene. and belongs to thymidylate kinase family of proteins.
Conjugation	HIS
Molecular Weight	24.000kDa
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	pH: 8.00 Constituents: 0.32% Tris HCl, 20% Glycerol, 0.04% DTT, 0.58% Sodium chloride
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid

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repeated freeze / thaw cycles.

Sequences of amino acids

MGSSHHHHHH SSGLVPRGSH MAARRGALIV LEGVDRAGKS TQSRKLVEAL
CAAGHRAELL RPPERSTEIG KLLSSYLQKK SDVEDHSVHL LFSANRWEQV
PLIKEKLSQG VTLVVDYAF SGVAFTGAKE NFSLDWCKQP DVGLPKPDLV
LFLQLQLADA AKRGAFGHER YENGAFQERA LRCFHQLMKD TTLNWKMVDA
SKSIEAVHED IRVLSDAIR TATEKPLGEL WK

Sequence Similarities

Belongs to the thymidylate kinase family.

GENE INFORMATION

Gene Name

[DTYMK deoxythymidylate kinase \(thymidylate kinase\) \[Homo sapiens \]](#)

Official Symbol

[DTYMK](#)

Synonyms

DTYMK; deoxythymidylate kinase (thymidylate kinase); thymidylate kinase; CDC8; dTMP kinase; thymidylate (dTMP) kinase; TMPK; TYMK;

Gene ID

[1841](#)

mRNA Refseq

[NM_001165031](#)

Protein Refseq

[NP_001158503](#)

MIM

[188345](#)

Uniprot ID

[P23919](#)

Chromosome Location

2q37

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Pathway	Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of nucleotides, organism-specific biosystem; Pyrimidine metabolism, organism-specific biosystem; Pyrimidine metabolism, conserved biosystem;
Function	ATP binding; kinase activity; nucleoside phosphate kinase activity; nucleotide binding; thymidylate kinase activity;

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