

Recombinant Human DTYMK 293 Cell Lysate

Cat. No. DTYMK-6791HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for deoxythymidylate kinase (thymidylate kinase) (DTYMK), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

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; PP3731; FLJ44192; MGC198617;

Gene ID

1841

mRNA Refseq

NM_001165031

Protein Refseq

NP_001158503

MIM

188345

UniProt ID

P23919

**Chromosome
Location**

2q37

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; Synthesis and interconversion of nucleotide di- and triphosphates,

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organism-specific biosystem; pyrimidine deoxyribonucleotides de novo biosynthesis I,
organism-specific biosystem;

Function

ATP binding; kinase activity; nucleoside phosphate kinase activity; nucleotide binding;
thymidylate kinase activity; transferase activity;

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