

Recombinant Active Human DTYMK Protein, GST-tagged

Cat. No. DTYMK-20H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human DTYMK (2-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Insect Cells
ProteinLength	2-end a.a.
Description	Catalyzes the conversion of dTMP to dTDP.
Molecular Mass	Approx 50 kDa
Purity	> 90%
Stability	One year at -70 centigrade from data of shipment.
Storage	Store product at -70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.1 µg/µL
Storage Buffer	Recombinant protein stored in 50 mM Tris-HCl, pH 7.5, 300 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 25% glycerol.

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Shipping Dry ice

GENE INFORMATION

Gene Name DTYMK deoxythymidylate kinase [Homo sapiens (human)]

Official Symbol DTYMK

Synonyms DTYMK; deoxythymidylate kinase; CDC8; TMPK; TYMK; PP3731; thymidylate kinase; dTMP kinase; deoxythymidylate kinase (thymidylate kinase); EC 2.7.4.9

Gene ID 1841

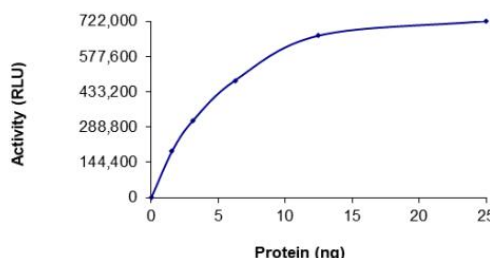
mRNA Refseq NM_012145

Protein Refseq NP_036277

MIM 188345

UniProt ID P23919

Specific Activity



The specific activity of DTYMK was determined to be 305 nmol/min/mg as per

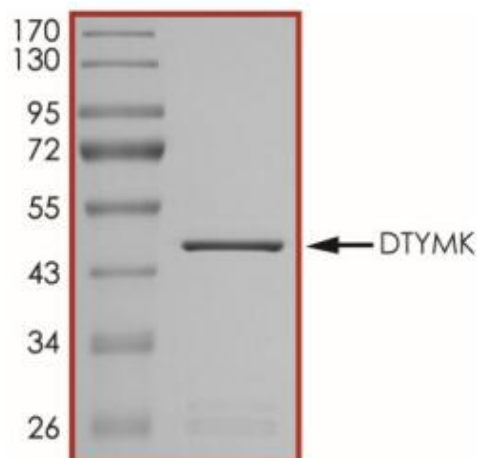
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activity assay protocol.

Purity



The purity of DTYMK was determined to be > 90 % by densitometry.

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