

DTYMK, 1-212aa, Human, His tag, E.coli

Cat.NO.: TP01930

3th Edition

Synonyms:Thymidylate kinase, CDC8, FLJ44192, MGC198617, PP3731, TMPK, TYMK.

Description:DTYMK is also known as thymidylate kinase family and is involved in pyrimidine metabolism. Specifically, DTYMK catalyzes the ATP-dependent conversion of dTMP (deoxythymidine monophosphate) to dTDP (deoxythymidine diphosphate), which then functions as one of the four nucleotides in DNA.

Form:Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 20% glycerol 2mM DTT, 0.1M NaCl.

Molecular Weight:26 kDa (232aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMAARRGALIVLEGVDRAGKSTQSRKLVEALCAAGHRAELLRFPERSTEIGKLLSS
YLQKKSDVEDHSVHLLFSANRWEQVPLIKEKLSQGVTLVVDRYAFSGVAFTGAKENFSLDWCKQPDVGLPKPDLVL
FLQLQLADAAKRGAFGHERYENGAFQERALRCFHQLMKDITLNWKMVDASKSIEAVHEDIRVLSEDAIRTATEKPL
GELWK

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.