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DCTD, 1-178aa, Human, His tag, E.coli

产品货号: TP01840

第三版

别名: Deoxycytidylate deaminase

描述: DCTD (deoxycytidylate deaminase), also known as dCMP deaminase, is a 178 amino acid allosteric enzyme that exists as a homohexamer and belongs to the cytidine and deoxycytidylate deaminase protein family. Using zinc as a cofactor, DCTD catalyzes the deamination of dCMP to dUMP, thereby producing the nucleotide substrate (dUMP) that is used by thymidylate synthase.

配方: Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.1M NaCl, 1mM DTT, 20% glycerol

分子量: 22.1 kDa (198aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHHSSGLVPRGSHMSEVSCCKRDDYLEWPEYFMAVAFLSAQRSKDPNSQVGACIVNSENKIVGIGYNGMPN
GCSDDVLPWRRRTAENKLDTKYPYVCHAE LNAINMKNSTDVKGCSMYVALFPCNECAKLIQAGIKEVIFMSDKYHDSDE
ATAARLLFNMAGVTFRKFIPKCSKIVIDFDSINSRPSQKLQ

纯度: > 95% by HPLC

浓度: 0.5 mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.