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DCK, 1-260aa, Human, His tag, E.coli

产品货号: TP01836

第三版

别名: Deoxycytidine kinase, dCK

描述: DCK is a key enzyme in the salvage of deoxyribonucleosides and in the activation of clinically relevant nucleoside analogues. This protein is responsible for the 5'-phosphorylation of purine and pyrimidine deoxynucleosides to the corresponding monophosphates using ATP or UTP as phosphate donors. Deficiency of this enzyme activity is associated with resistance to antiviral and anticancer chemotherapeutic agents, whereas increased enzyme activity is associated with increased activation of these compounds to cytotoxic nucleoside triphosphate derivatives.

配方: Liquid. In 20 mM Tris-HCl Buffer (pH 7.5) containing 1 mM DTT, 0.1 mM PMSF, 2mM EDTA, 10% Glycerol

分子量: 34.6 kDa(296aa), confirmed by MALDI-TOF

序列:

MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSMATPPKRSCPSFSASSEGTRIKKISIEGNI AAGKSTFVNILK
QLCEDWEVVPEPVARWCNVQSTQDEFEEELTMSQKNGGNVLQMMYEKPERWSFTFQTYACLSRIRAQLASLNGKLDKDAE
KPVLFERSVYSDRYIFASNLYESEC MNETEWTIYQDWHDWMMNNQFGQSLELDGIIYLQATPETCLHRIYLRGRNEEQGIP
LEYLEKLHYKHESWLLHRTLKTNFDYLQEVPI TL DVNEDFKDKYESLVEKVKEFLSTL

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.