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32-8125: Recombinant Human Deoxycytidine Kinase/DCK (N-6His, T7 tag)

Gene : DCK
Gene ID : 1633
Uniprot ID : P27707

Description

Source: E. coli.
MW :34kD.
Recombinant Human Deoxycytidine Kinase is produced by our E.coli expression system and the target gene encoding Met1-Leu260 is expressed with a 6His, T7 tag at the N-terminus. Deoxycytidine Kinase (DCK) is a member of the DCK/DGK family. DCK exists as a homodimer and is localized to the nucleus. DCK is required for the phosphorylation of the deoxyribonucleosides deoxycytidine (dC), deoxyguanosine (dG), and deoxyadenosine (dA). DCK has broad substrate specificity, and does not display selectivity based on the chirality of the substrate. In addition, DCK is also an essential enzyme for the phosphorylation of numerous nucleoside analogs widely employed as antiviral and chemotherapeutic agents. DCK is clinically important because of its relationship to drug resistance and sensitivity.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 20mM TrisHCl,pH7.5.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : MGSSHHHHHHSSGLVPRGSHMASMTGGQQMGRGSMATPPKRSCPSFSASSEGTRIKKISIEGNIAAGKSTFV
NILKQLCEDWEVVPEPVARWCNVQSTQDEFEELTMSQKNGGNVLQMMYEKPERWSFTFQTYACLSRIRAQLA
SLNGKLKDAEKPVLFFERSVYSDRYIFASNLYESECMNETEWTIYQDWHDWMNNQFGQSLELDGIIYLQATPET
CLHRIYLRGRNEEQGIPLEYLEKLHYKHESWLLHRTLKTNFDYLQEVPILTLDVNEDFKDKYESLVEKVKEFLSTL

Application Note

Endotoxin : Less than 0.1 ng/Ã□Âµg (1 IEU/Ã□Âµg) as determined by LAL test.