

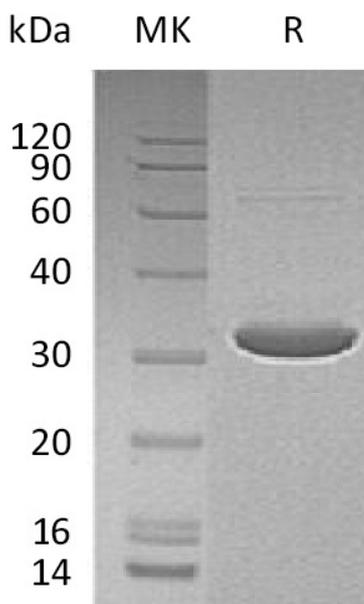
Product Name: Recombinant Human DCK (N-6His-T7)
Catalog #: PEH0527



Summary

Name	Deoxycytidine kinase/DCK
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/ μ g as determined by LAL test.
Construction	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.
Accession #	P27707
Host	E.coli
Species	Human
Predicted Molecular Mass	34 KDa
Formulation	Supplied as a 0.2 μ m filtered solution of PBS, 50% Glycerol, 1mM TCEP, pH 7.4.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at \leq -70°C, stable for 6 months after receipt. Store at \leq -70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image



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Alternative Names

Deoxycytidine Kinase; dCK; DCK

Background

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.

Note

For Research Use Only , Not for Diagnostic Use.