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Datasheet for ABIN7318399  
**DCK Protein (T7 tag,His tag)**

### Overview

Quantity:	50 µg
Target:	DCK
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This DCK protein is labelled with T7 tag,His tag.

### Product Details

Purpose:	Recombinant Human Deoxycytidine Kinase/DCK Protein (His &T7 Tag)
Sequence:	Met 1-Leu260
Characteristics:	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.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	DCK
Alternative Name:	Deoxycytidine Kinase/DCK ( <a href="#">DCK Products</a> )
Background:	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

## Target Details

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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.

Synonym: Deoxycytidine Kinase, dCK, DCK

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Molecular Weight: 34.0 kDa

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UniProt: [P27707](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Frozen, Liquid

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Buffer: Supplied as a 0.2  $\mu$ m filtered solution of 20 mM TrisHCl, pH 7.5.

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Storage: -20 °C

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Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.