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Datasheet for ABIN1691941  
**DCK Protein (AA 1-260) (His tag,T7 tag)**

### Overview

Quantity:	50 µg
Target:	DCK
Protein Characteristics:	AA 1-260
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This DCK protein is labelled with His tag,T7 tag.

### Product Details

Purpose:	Recombinant Human Deoxycytidine Kinase/DCK (N-6His, T7 tag)
Sequence:	MGSSHHHHHH SSSLVPRGSH MASMTGGQQM GRGSMATPPK RSCPSFSASS EGTRIKKISI EGNIAAGKST FVNILKQLCE DWEVVPPEVA RWCNVQSTQD EFEELTMSQK NGGNVLQMMY EKPERWSFTF QTYACLSRIR AQLASLNGKL KDAEKPVLFF ERSVYSDRYI FASNLYESEC MNETEWTIYQ DWHDWMNNQF GQSLELDGII YLQATPETCL HRIYLRGRNE EQGIPLEYLE KLHYKHESWL LHRTLKTNFD YLQEVPIITL DVNEDFKDKY ESLVEKVKEF LSTL
Characteristics:	Recombinant Human Deoxycytidine Kinase/DCK is produced with our E. coli expression system. The target protein is expressed with sequence (Met1-Leu260) of Human DCK fused with a 6His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

## Target Details

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Target:	DCK
Alternative Name:	DCK ( <a href="#">DCK Products</a> )
Sub Type:	Fusionprotein
Background:	<p>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.</p> <p>Alternative Names: Deoxycytidine Kinase, dCK, DCK</p>
Molecular Weight:	34 kDa
UniProt:	<a href="#">P27707</a>

## Application Details

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Restrictions:	For Research Use only
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## Handling

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Format:	Liquid
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH<sub>2</sub>O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, pH 7.5.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C
Storage Comment:	<p>Store at &lt; -20°C, stable for 6 months after receipt.</p> <p>Please minimize freeze-thaw cycles.</p>
Expiry Date:	6 months