

Recombinant Human DCK protein ab173027

Description

Product name	Recombinant Human DCK protein
Purity	> 95 % SDS-PAGE. Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
Endotoxin level	< 1.000 Eu/μg
Expression system	Escherichia coli
Accession	<u>P27707</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHHSSGLVPRGSHMASMTGGQQMGRGSMAT PPKRSCPSFSASS EGTRIKKISIEGNAAGKSTFVNILKQLCEDWEVVPEPVAR WCNVQSTQD EFEELTMSQKNGGNVLQMMYEKPERWSFTF QTYACLSRIRAQLASLNGKLKDAEKPVLFERSVYSDRYIF ASNLYESEC MNETEWTYQDWHWMMNNQFGQSLELDGIYLQATPETCL HRIYLRGRNE EQGIPLEYLEKLHYKHESWLLHRTLKTNFDYQLQEVPILTLDV NEDFKDKYESLVEKVKEFLSTL
Predicted molecular weight	34 kDa including tags
Amino acids	1 to 260
Tags	His tag N-Terminus , T7 tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab173027** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE HPLC
Form	Liquid

Preparation and Storage

Stability and Storage

Shipped on Dry Ice. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 7.50

Constituent: 0.24% Tris

Supplied as a 0.2 µM filtered solution.

General Info

Function

Required for the phosphorylation of the deoxyribonucleosides deoxycytidine (dC), deoxyguanosine (dG) and deoxyadenosine (dA). Has broad substrate specificity, and does not display selectivity based on the chirality of the substrate. It is also an essential enzyme for the phosphorylation of numerous nucleoside analogs widely employed as antiviral and chemotherapeutic agents.

Sequence similarities

Belongs to the DCK/DGK family.

Post-translational modifications

Phosphorylated upon DNA damage, probably by ATM or ATR.

Cellular localization

Nucleus.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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