

Product datasheet for TP710018

OriGene Technologies, Inc.

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DCK (NM_000788) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human deoxycytidine kinase (DCK), full length with N-terminal

polyhistidine tag, expressed in sf9 cells.

Species: Human

Expression Host: Sf9

Expression cDNA Clone

or AA Sequence:

A DNA sequence from TrueORF clone, RC210767, encoding human full-length DCK

Tag: N-His

Predicted MW: 30 kDa

Concentration: >0.05 μg/μL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 50 mM Tris-HCl, pH 8.0, 150 mM NaCl, 20% glycerol

Note: For testing in cell culture applications, please filter before use. Note that you may experience

some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and

handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: NP 000779

 Locus ID:
 1633

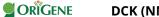
 UniProt ID:
 P27707

 RefSeq Size:
 2618

 Cytogenetics:
 4q13.3

RefSeq ORF: 780





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Summary: Deoxycytidine kinase (DCK) is required for the phosphorylation of several

deoxyribonucleosides and their nucleoside analogs. Deficiency of DCK is associated with resistance to antiviral and anticancer chemotherapeutic agents. Conversely, increased deoxycytidine kinase activity is associated with increased activation of these compounds to cytotoxic nucleoside triphosphate derivatives. DCK is clinically important because of its relationship to drug resistance and sensitivity. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Protein Pathways: Purine metabolism, Pyrimidine metabolism

Product images:

