

Active Recombinant Human DCK protein

Cat. No. DCK-185H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human DCK was expressed in E. coli.
Species	Human
Source	E.coli
Bio-activity	≥ 0.5 unit/mg protein.
Molecular Mass	33kDa
Unit Definition	One unit of deoxycytidine kinase converts 1.0 μmole of deoxyinosine and ATP to dIMP and ADP per minute at pH 8 at 37°C, as measured by a coupled IMPDH enzyme system.
Shipping	Provided in stable lyophilized form and shipped without dry ice

GENE INFORMATION

Gene Name	DCK deoxycytidine kinase [Homo sapiens]
Official Symbol	DCK
Synonyms	DCK; deoxycytidine kinase; deoxynucleoside kinase; MGC117410; MGC138632;
Gene ID	1633

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mRNA Refseq	NM_000788
Protein Refseq	NP_000779
MIM	125450
UniProt ID	P27707
Chromosome Location	4q13.3-q21.1
Pathway	Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of nucleotides, organism-specific biosystem; Purine metabolism, organism-specific biosystem; Purine metabolism, organism-specific biosystem;
Function	ATP binding; deoxycytidine kinase activity; drug binding; kinase activity; magnesium ion binding; nucleoside kinase activity; nucleotide binding; phosphotransferase activity, alcohol group as acceptor;

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