

Product datasheet for PH310767

DCK (NM_000788) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	DCK MS Standard C13 and N15-labeled recombinant protein (NP_000779)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210767
Predicted MW:	30.5 kDa
Protein Sequence:	>RC210767 protein sequence Red=Cloning site Green=Tags(s) MATPPKRSCPSFSASSEGTRIKKISIEGNIAAGKSTFVNILKQLCEDWEVPEPVARWCNVQSTQDEFEE LTMSQKNGGNVLQMMYEKPERWSFTFQTYACL SRIRAQLASLNGKLDKDAEKPVLFERSVYSDRYIFASN LYESECNETEWTIYQDWHDMNMQFGQSLDGI IYLQATPETCLHRIYLRGRNEEQGIPLEYLEKLHY KHESWLLHRTLKTNFDYLVQVPIILTLVDNEDFKDKYESLVEKVKEFLSTL TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_000779
RefSeq Size:	2618
RefSeq ORF:	780
Locus ID:	1633
UniProt ID:	P27707 , F5CTF3
Cytogenetics:	4q13.3



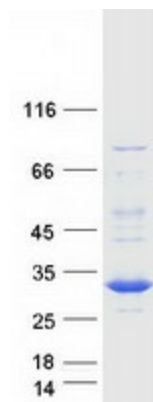
[View online »](#)

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:



Coomassie blue staining of purified DCK protein (Cat# [TP310767]). The protein was produced from HEK293T cells transfected with DCK cDNA clone (Cat# [RC210767]) using MegaTran 2.0 (Cat# [TT210002]).