

## Product datasheet for **TP310767M**

### DCK (NM\_000788) Human Recombinant Protein

#### Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human deoxycytidine kinase (DCK), 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone  
or AA Sequence: >RC210767 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MATPPKRSCPSFSASSEGTRIKKISIEGNI AAGKSTFVNILKQLCEDWEVWPEPVARWCNVQSTQDEFEE  
LTMSQKNGGNVLQMMYEKPERWSFTFQTYACLSRIRAQLASLNGKLDKDAEKPVLFERSVYSDRYIFASN  
LYESEC MNETEWTIYQDWHDMNMQFGQSLELDGIIYLQATPETCLHRIYLRGRNEEQGIPLEYLEKLHY  
KHESWLLHRTLKTNFDY LQEVPI LLDVNE DFKDKYESLVEKVKEFLSTL

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag: C-Myc/DDK

Predicted MW: 30.3 kDa

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

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

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

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](#), [F5CTF3](#)



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RefSeq Size: 2618

Cytogenetics: 4q13.3

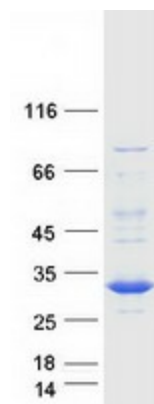
RefSeq ORF: 780

**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]).