

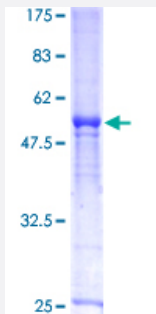
Full-Length

DCK (Human) Recombinant Protein (P01)

Catalog # H00001633-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human DCK full-length ORF (NP_000779.1, 1 a.a. - 260 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MATPPKRSCPSFSASSEGETRIKKISIEGNIAAGKSTFVNILKQLCEDWEVVPEPVARWCNVQSTQ
DEFEELTMSQKNGGNVLQMMYEKPERWSFTFQTYACLSRIRAQLASLNGKLKDAEKPVLFERS
VYSDRYIFASNLYESECMNETEWTIYQDWDWMNNQFGQSLELDGIYLQATPETCLHRYLRGRNE
EQGIPLEYLEKLHYKHESWLLHRTLKTNFDYLQEVPILTLDVNEDFKDKYESLVEKVKEFLSTL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

54.23

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — DCK

Entrez GeneID [1633](#)

GeneBank Accession# [NM_000788.1](#)

Protein Accession# [NP_000779.1](#)

Gene Name DCK

Gene Alias MGC117410, MGC138632

Gene Description deoxycytidine kinase

Omim ID [125450](#)

Gene Ontology [Hyperlink](#)

Gene 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]

Other Designations -

Pathway

- [Purine metabolism](#)
- [Pyrimidine metabolism](#)

Disease

- [Acute Disease](#)
- [Adenocarcinoma](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Neoplasms](#)
- [Neutropenia](#)
- [Pancreatic Neoplasms](#)