

Datasheet for ABIN667827

DCK Protein (AA 1-260) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	DCK
Protein Characteristics:	AA 1-260
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This DCK protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Characteristics:	DCK, 1-260aa, Human, His tag, E.coli
Purity:	> 90 % by SDS - PAGE

Target Details

Target:	DCK
Alternative Name:	DCK (DCK Products)
Background:	DCK is a key enzyme in the salvage of deoxyribonucleosides and in the activation of clinically relevant nucleoside analogues. This protein is responsible for the 5'-phosphorylation of purine and pyrimidine deoxynucleosides to the corresponding monophosphates using ATP or UTP as phosphate donors. Deficiency of this enzyme activity is associated with resistance to antiviral and anticancer chemotherapeutic agents, whereas increased enzyme activity is associated

Target Details

with increased activation of these compounds to cytotoxic nucleoside triphosphate derivatives. Recombinant human DCK protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography. Synonyms: MGC117410, MGC138632, Deoxycytidine kinase. NCBI no.: NP_000779

Molecular Weight: 34.6 kDa(296aa), confirmed by MALDI-TOF

Application Details

Restrictions: For Research Use only

Handling

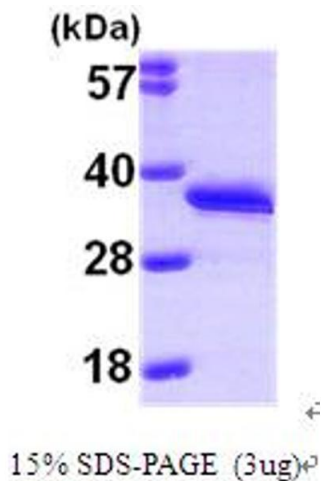
Format: Liquid

Concentration: 0.5 mg/ml (determined by Bradford assay)

Buffer: Liquid. In 20 mM Tris-HCl Buffer (pH 7.5) containing 1 mM DTT, 0.1 mM PMSF, 2mM EDTA, 10% Glycerol

Storage: 4 °C

Images



SDS-PAGE

Image 1.