



Recombinant Human Deoxycytidine kinase (DCK)

Product Code	CSB-MP006547HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P27707
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MATPPKRSCP SFSASSEGTR IKKISIEGNI AAGKSTFVNI LKQLCEDWEV VPEPVARWCN VQSTQDEFEE LTMSQKNGGN VLQMMYEKPE RWSFTFQTYA CLSRIRAQLA SLNGKLKDAE KPVLFERSV YSDRYIFASN LYESECMMNET EWTIYQDWDH WMNNQFGQSL ELDGIIYLQA TPETCLHRIY LRGRNEEQGI PLEYLEKLHY KHESWLLHRT LKTNFDYLQE VPILTLDVNE DFKDKYESLV EKVKEFLSTL
Source	Mammalian cell
Target Names	DCK
Protein Names	Recommended name: Deoxycytidine kinase Short name= dCK EC= 2.7.1.74
Expression Region	1-260
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.