Recombinant Human Cell division cycle 7-related protein kinase (CDC7)

Product Code	CSB-EP005023HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O00311
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MEASLGIQMD EPMAFSPQRD RFQAEGSLKK NEQNFKLAGV KKDIEKLYEA VPQLSNVFKI EDKIGEGTFS SVYLATAQLQ VGPEEKIALK HLIPTSHPIR IAAELQCLTV AGGQDNVMGV KYCFRKNDHV VIAMPYLEHE SFLDILNSLS FQEVREYMLN LFKALKRIHQ FGIVHRDVKP SNFLYNRRLK KYALVDFGLA QGTHDTKIEL LKFVQSEAQQ ERCSQNKSHI ITGNKIPLSG PVPKELDQQS TTKASVKRPY TNAQIQIKQG KDGKEGSVGL SVQRSVFGER NFNIHSSISH ESPAVKLMKQ SKTVDVLSRK LATKKKAIST KVMNSAVMRK TASSCPASLT CDCYATDKVC SICLSRRQQV APRAGTPGFR APEVLTKCPN QTTAIDMWSA GVIFLSLLSG RYPFYKASDD LTALAQIMTI RGSRETIQAA KTFGKSILCS KEVPAQDLRK LCERLRGMDS STPKLTSDIQ GHASHQPAIS EKTDHKASCL VQTPPGQYSG NSFKKGDSNS CEHCFDEYNT NLEGWNEVPD EAYDLLDKLL DLNPASRITA EEALLHPFFK DMSL
Source	E.coli
Target Names	CDC7
Protein Names	Recommended name: Cell division cycle 7-related protein kinase Short name= CDC7-related kinase Short name= HsCdc7 Short name= huCdc7 EC= 2.7.11.1
Expression Region	1-574
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	This gene encodes a cell division cycle protein with kinase activity that is critical for the G1/S transition. The yeast homolog is also essential for initiation of DNA replication as cell division occurs. Overexpression of this gene product may be associated with neoplastic transformation for some tumors. Multiple alternatively spliced transcript variants that encode the same protein have been detected.
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.