Recombinant Mouse Cyclin-dependent kinase 7 (Cdk7)

Product Code	CSB-EP005075MO
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	Q03147
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	AVDVKSRAK RYEKLDFLGE GQFATVYKAR DKNTNQIVAI KKIKLGHRSE AKDGINRTAL REIKLLQELS HPNIIGLLDA FGHKSNISLV FDFMETDLEV IIKDNSLVLT PSHIKAYMLM TLQGLEYLHQ HWILHRDLKP NNLLLDENGV LKLADFGLAK SFGSPNRAYT HQVVTRWYRA PELLFGARMY GVGVDMWAVG CILAELLLRV PFLPGDSDLD QLTRIFETLG TPTEEQWPDM CSLPDYVTFK SFPGVPLQHI FIAAGDDLLE LIQGLFLFNP CTRTTASQAL KTKYFSNRPG PTPGCQLPRP NCPVEALKEP ANPTVATKRK RAEALEQGIL PKKLIF
Source	E.coli
Target Names	Cdk7
Protein Names	Recommended name: Cyclin-dependent kinase 7 EC= 2.7.11.22 EC= 2.7.11.23 Alternative name(s): 39 kDa protein kinase Short name= P39 Mo15 CDK-activating kinase CR4 protein kinase Short name= CRK4 Cell division
Expression Region	2-346
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 of Mature Protein
Target Details	This protein is a member of the cyclin-dependent protein kinase (CDK) family. CDK family members are highly similar to the gene products of Saccharomyces cerevisiae cdc28, and Schizosaccharomyces pombe cdc2, and are known to be important regulators of cell cycle progression. This protein forms a trimeric complex with cyclin H and MAT1, which functions as a Cdk-activating kinase (CAK). It is an essential component of the transcription factor TFIIH, that is involved in transcription initiation and DNA repair. This protein is thought to serve as a direct link between the regulation of transcription and the cell cycle.
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.