



Recombinant Mouse Cyclin-dependent kinase 6 (Cdk6)

Product Code	CSB-EP005074MO-B
Abbreviation	Cdk6
Storage	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.
Uniprot No.	Q64261
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	MEKDSLSRAD QQYECVAEIG EGAYGKVFKA RDLKNGGRFV ALKRVRVQTS EEGMPLSTIR EVAVLRHLET FEHPNVVRLF DVCTVSRTDR ETKLTLVFEH VDQDLTTYLD KVPEPGVPTE TIKDMMFQLL RGLDFLHSHR VVHRDLKPQN ILVTSSGQIK LADFGRLARIY SFQMALTSVV VTLWYRAPEV LLQSSYATPV DLWSVGCIFA EMFRRKPLFR GSSDVDQLGK ILDIIGLPGE EDWPRDVALP RQAFHSKSAQ PIEKFVTDID ELGKDLLLKC LTFNPAKRIS AYGALNHPYF QDLERYKDNL NSHLPSNQST SELNTA
Source	E.coli
Target Names	Cdk6
Protein Names	Recommended name: Cyclin-dependent kinase 6 EC= 2.7.11.22 Alternative name(s): CR2 protein kinase Short name= CRK2 Cell division protein kinase 6 Serine/threonine-protein kinase PLSTIRE
Expression Region	1-326
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 protein is a member of the cyclin-dependent protein kinase (CDK) family. CDK family members are highly similar to the gene products of <i>Saccharomyces cerevisiae</i> cdc28, and <i>Schizosaccharomyces pombe</i> cdc2, and are known to be important regulators of cell cycle progression. This kinase is a catalytic subunit of the protein kinase complex that is important for cell cycle G1 phase progression and G1/S transition. The activity of this kinase first appears in mid-G1 phase, which is controlled by the regulatory subunits including D-type cyclins and members of INK4 family of CDK inhibitors. This kinase, as well as CDK4, has been shown to phosphorylate, and thus regulate the activity of, tumor suppressor protein Rb. Expression of this gene is up-regulated in some types of



cancer. Multiple alternatively spliced variants, encoding the same protein, have been identified.

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

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