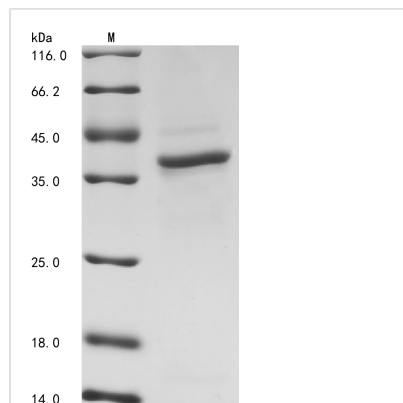




Recombinant Human Cyclin-dependent kinase 7 (CDK7)

Product Code	CSB-EP005075HU
Abbreviation	Recombinant Human CDK7 protein
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.	P50613
Form	Liquid or Lyophilized powder
Storage Buffer	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	MALDVKSRAKRYEKLDLFLGEGQFATVYKARDKNTNQIVAIIKKIKLGHRSEAKD GINRTALREIKLLQELSHPNIIIGLLDAFGHKSNISLVDFMETDLEVIKDNSLVLT PSHIKAYMLMTLQGLEYLHQHWILHRDLKPNLLLLDENGVLKLADFGGLAKSFG SPNRAYTHQVVTRWYRAPELLFGARMYGVGVDMWAVGCILAEELLRVFPFLPG DSDLDQLTRIFETLGTPTTEEQWPDMLCPDYVTFKSFPGLPHHIFSAAGDDL DLIQGLFLFNPCARITATQALKMKYFSNRPGPTPGCQLPRPNCPVETLKEQSN PALAIKRKRTEALEQGGLPKKLIF
Research Area	Cell Biology
Source	E.coli
Target Names	CDK7
Expression Region	1-346aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag-Free
Mol. Weight	39.2 kDa
Protein Length	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

In expressing the recombinant Human CDK7 protein, e.coli cells are transfected with a DNA expression vector that harbors the gene for the desired protein (1-346aa). The cultured cells then express the intended protein. The recombinant Human CDK7 protein is collected and purified from the cell lysate through affinity purification, achieving a purity surpassing 85%, as confirmed by SDS-PAGE.

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.