

Recombinant Human CDK7 Protein

Catalog #	Source	Reactivity	Applications
CRP1274	E. coli	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human CDK7 Protein is produced by our E. coli expression system and the target gene encoding Met1-Phe346 is expressed with a 6His tag at the N-terminus.		
Form	Liquid in a 0.2 µM filtered solution of 50mM PB, 100mM NaCl, 5mM DTT, 20% Glycerol, pH 7.0.		
Gene Symbol	CDK7		
Alternative Names	CAK; CAK1; CDKN7; MO15; STK1; Cyclin-dependent kinase 7; 39 kDa protein kinase; p39 Mo15; CDK-activating kinase 1; Cell division protein kinase 7; Serine/threonine-protein kinase 1; TFIIF basal transcription factor complex kinase subunit		
Entrez Gene	1022 (Human)		
SwissProt	P50613 (Human)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	MGSSHHHHHH SGLVPRGSH MALDVKSRK RYEKLDLFLGE GQFATVYKAR DKNTNQIVAI KKIKLGRHSE AKDGINRTAL REIKLLQELS HPNIIGLLDA FGHKSNISLV FDFMETDLEV IIKDNSLVLT PSHIKAYMLM TLQGLEYLHQ HWILHRDLKP NNLLLDENG V LKLADFLGAK SFGSPNRAYT HQVVTRWYRA PELLFGARMY GVGVDMWAVG CILAEALLRV PFLPGDSDLD QLTRIFETLG TPTEEQWPDM CSLPDYVTFK SFPGIPLHHI FSAAGDILLD LIQGLFLFNP CARITATQAL KMKYFSNRPG PTPGCQLPRP NCPVETLKEQ SNPALAIKRR RTEALEQGGL PKKLIF		
Quality Control	Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.		
Application key:	E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference		
Species reactivity key:	H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish		

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Product Data Sheet

- Directions for Use** Always centrifuge tubes before opening. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
- Storage/Stability** Store it at -20°C to -80°C for one year.

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