

## Recombinant Human CDK4 Protein

Catalog #	Source	Reactivity	Applications
CRP1272	E. coli	Human	E, WB, SDS-PAGE, MS

**Description** Recombinant Human CDK4 Protein is produced by our E. coli expression system and the target gene encoding Met1-Glu303 is expressed with a 6His, T7 tag at the N-terminus.

**Form** Lyophilized from a 0.2 μM filtered solution of 20mM PB, 150mM NaCl, pH 7.4.

**Gene Symbol** CDK4

**Alternative Names** Cyclin-dependent kinase 4; Cell division protein kinase 4; PSK-J3

**Entrez Gene** 1019 (Human)

**SwissProt** P11802 (Human)

**Purity** Greater than 95% as determined by reducing SDS-PAGE.

**Chemical Structure** MGSSHHHHHH SSGLVPRGSH MASMTGGQQM GRGSMATSRY EPVAEIGVGA  
 YGTVYKARDP HSGHFVALKS VRVPNGGGGG GGLPISTVRE VALLRRLEAF EHPNVVRLMD  
 VCATSRTDRE IKVTLVFEHV DQDLRTYLDK APPGPLPAET IKDLMRQFLR GLDFLHNCI  
 VHRDLKPENI LVTSGGTVKL ADFGLARIYS YQMALTPVVV TLWYRAPEVL LQSTYATPVD  
 MWSVGCIFAE MFRRKPLFCG NSEADQLGKI FDLIGLPPED DWPRDVSLPR GAFPPRGPRP  
 VQSVVPEMEE SGAQLLLEML TFNPHKRISA FRALQHSYLH KDEGNPE

**Quality Control** Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.

**Directions for Use** Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Storage/Stability** Lyophilized protein should be stored at -20°C, though stable at room temperature

**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

for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days.

Aliquots of reconstituted samples are stable at -20°C for 3 months.

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