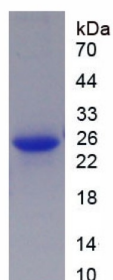
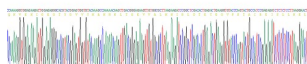


Mouse Cyclin Dependent Kinase 2 (CDK2) Protein

Catalogue No.: abx066204



SDS-PAGE analysis of Mouse Cyclin Dependent Kinase 2 (CDK2) Protein.



Gene sequencing extract of Mouse Cyclin Dependent Kinase 2 (CDK2) Protein.

Recombinant CDK2 is a recombinant Mouse protein produced in a Prokaryotic expression system (E. coli).

Target: Cyclin Dependent Kinase 2 (CDK2)

Origin: Mouse

Expression: Recombinant

Tested Applications: WB, SDS-PAGE

Host: E. coli

Conjugation: Unconjugated

Form: Lyophilized

Purity: > 95%

Reconstitution: To keep the original salt concentration, we recommend reconstituting to the original concentration prior to lyophilization (see Concentration) in ddH₂O. If a lower concentration is required, dilute in 20 mM Tris, 150 mM NaCl, pH 8.0. If a higher concentration is required, the product can be reconstituted directly in 20 mM Tris, 150 mM NaCl, pH 8.0, though please note that this will change the overall salt concentration. The stock concentration should be between 0.1-1.0 mg/ml. Do not vortex.

Datasheet

Version: 3.0.0
Revision date: 21 Jun 2025



Storage: Store at 2-8 °C for up to one month. Store at -80 °C for up to one year. Avoid repeated freeze/thaw cycles.

UniProt Primary AC: P97377 ([UniProt](#), [ExPASy](#))

KEGG: mmu:12566

String: [10090.ENSMUSP00000026416](#)

Molecular Weight: Calculated MW: 39.7 kDa
Observed MW (SDS-PAGE): 25 kDa
Possible reasons why the actual band size differs from the predicted band size:

1. Splice variants. Alternative splicing may create different sized proteins from the same gene.
2. Relative charge. The composition of amino acids may affect the charge of the protein.
3. Post-translational modification. Phosphorylation, glycosylation, methylation etc. may affect the band size.
4. Post-translational cleavage. Many proteins are synthesised as pro-proteins, and then cleaved to give the active form.
5. Polymerisation of the target protein. Dimerisation, multimerisation etc. will increase the band size observed.

Sequence Fragment: Gln5-Leu346

Sequence: QKVEKI GEGTYGVVYK AKNKLTGEVV ALKKIRLDTE TEGVPSTAIR EISLLKELNH PNIVKLLDVI
HTENKLYLVF EFLHQDLKKF MDASALTGIP LPLIKSYLFQ LLQGLAFCHS HRVLHRDLKP
QNLLINAEGL IKLADFGGLAR AFGVPVRTYT HEVVTWLYRA PEILLGCKYY STAVDIWSLG
CIFAEMHLVC TQHHAKCCGE HRRNGRHSLC PLCSYLEVAA SQGGGMTAVS APHPVTRRAL
FPGDSEIDQL FRIFRTLGTTP DEVVWPGVTS MPDYKPSFPK WARQDFSKVV PPLDEDGRSL
LSQMLHYDPN KRISAKAALA HPFFQDVTKP VPHLRL

Tag: N-terminal His tag

Buffer: Prior to lyophilization: 20 mM Tris, 150 mM NaCl, pH 8.0, containing 0.01% Sarcosyl and 5% Trehalose.

Activity: Not tested

Concentration: Prior to lyophilization: 250 µg/ml

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.