

Cyclin Dependent Kinase 1 (CDK1) Recombinant Protein | CDK1 recombinant protein

Recombinant Cyclin Dependent Kinase 1 (CDK1)

CATALOG # AAA133884	HOST E Coli	APPLICATIONS Immunoprecipitation, ELISA, Western Blot, SDS-Page
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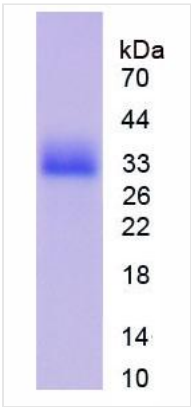
PRODUCT SYNONYMS

Cyclin Dependent Kinase 1 (CDK1); Recombinant Cyclin Dependent Kinase 1 (CDK1); CDK1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95%
Form/Format	Supplied as lyophilized form in PBS,pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Sequence	Thetargetp roteinisfu sedwithN-t erminalHis -Tag,itsse quenceisli stedbelow. MGHHHH HHSSEF-GT YGVVYKGRHR VTGQIVAMKK IRLESEEEGV PSTAIREISL LKELRHPNIV SLQDVLMDQS RYLIFEFSL MDLKKYLDISI PPGQFMDSSL VKSYLHQILQ GIVFCHSRRV LHRDLKPQNL LIDDKGTIKL ADFGLARAFG IPIRVYTHEV VTLWYRSPEV LLGSARYSTP VDIWSIGTIF AELATKKPLF HGDSEIDQLF RIFRALGTPN NEVWPEVESL QDYKNTFPKW KPGSLASHVK NLDENGLDLL SKMLVYDPAK RISGMALKH PYFDDLDNQI KKM
Sequence Length	297
Applicable Applications for CDK1 recombinant protein	IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Organism	Mus musculus (Mouse)
Expression System	Prokaryotic expression
Residues	Gly13~Met297 (Accession # P11440) with N-terminal His-Tag
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Preparation and Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate of the targetprotein. The loss rate was determined by accelerated thermal degradation test,that is, incubate the protein at 37 degree C for 48h, and no obvious degradation andprecipitation were observed. (Referring from China Biological Products Standard,which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

IMAGES



Sequence

GTGVVYK	GRHRTGQIV	AMKKIRLESE	EEGVPSTAIR
EISLLKELRH	PNIVSLQDVL	MQDSRLYLIF	EFLSMDLKKY
LDSSIPPGQFM	DSSLVKSYLH	QILQGIVFCH	SRRLHRDLK
PQNLLIDDKG	TIKLADFGLA	RAFGIPIRVY	THEVVTWYR
SPEVLGSGAR	YSTPVDIWSI	GTIFAELATK	KPLFHGDSEI
DQLFRIFRAL	GTPNNEVWPE	VESLQDYKNT	FPKWKPGSLA
SHVKNLDENG	LDLLSKMLVY	DPAKRISGKM	ALKHPYFDDL
DNQIKKM			

SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	31542366
NCBI GeneID	12534
NCBI Accession #	NP_031685.2
NCBI GenBank Nucleotide #	NM_007659.3
UniProt Accession #	P11440; P70337; Q3TI12
Molecular Weight	34.2kDa
NCBI Official Full Name	cyclin-dependent kinase 1
NCBI Official Synonym Full Names	cyclin-dependent kinase 1
NCBI Official Symbol	Cdk1
NCBI Official Synonym Symbols	Cdc2; Cdc2a; p34<CDC2>
NCBI Protein Information	cyclin-dependent kinase 1; p34 protein kinase; cell division protein kinase 1; cell division cycle 2 homolog A; cell cycle p34 CDC2 kinase protein; cell division cycle control protein 2a; cell division control protein 2 homolog
UniProt Protein Name	Cyclin-dependent kinase 1
UniProt Gene Name	Cdk1
UniProt Synonym Gene Names	Cdc2; Cdc2a; Cdkn1; CDK1
UniProt Entry Name	CDK1_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.