

cyclin-dependent kinase 1 Recombinant Protein | CDK1 recombinant protein

Recombinant Human cyclin-dependent kinase 1

CATALOG # AAA38035	HOST Escherichia Coli
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PRODUCT SYNONYMS

cyclin-dependent kinase 1; Recombinant Human cyclin-dependent kinase 1; CDK1 Human; Cyclin-Dependent Kinase 1 Human Recombinant; Cyclin-Dependent Kinase 1; CDC2; Cell Division Cycle 2; G1 To S And G2 To M; Cell Division Control Protein 2 Homolog; Cell Division Protein Kinase 1; P34 Protein Kinase; P34CDC2; CDC28A; Cell Cycle Controller CDC2; EC 2.7.11.22; EC 2.7.11.23; CDKN1; Cyclin-dependent kinase 1; CDK1; CDK1 recombinant protein

PRODUCT SPECIFICATIONS

Host	Escherichia Coli
Purity/Purification	Greater than 85.0% as determined by SDS-PAGE.
Form/Format	CDK1 protein solution (1mg/ml) containing 20mM Tris-HCl (pH8.0) and 10% glycerol.
Sequence Positions	1-297
Sequence	MGSSHHH HHHSSGLVPR GSHMED YTKIEKIGEG TYGVVYKGRH KTTGQVVAMK KIRLESEEEG VPSTAIRES LLKELRHPNI VSLQDVLMD SRLYLIFEFL SMDLK KYLDS IPPGQYMDSS LVKSYLYQIL QGIVFCHSRR VLHRDLKPQN LLIDDKGTIK LADFG LARAF GIPIRVYTHE VVTLWYRSPE VLLGSARYST PVDIWSIGTI FAELATKKPL FHGDSEIDQL FRIFRALGTP NNEVWPEVES LQDYKNTFPK WKPGLASHV KNLDENGLDL LSKMLIYDPA KRISGKMALN HPYFNDLDNQ IKKM
Sequence Length	297
Physical Appearance	Sterile filtered colorless solution.
Preparation and Storage	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for CDK1 recombinant protein	Introduction: Cyclin-dependent kinase 1 (CDK1) plays a significant part in the control of the eukaryotic cell cycle through modulating the centrosome cycle in addition to mitotic onset; CDK1 promotes G2-M transition and regulates G1 progress and G1-S transition using association with multiple interphase cyclins. CDK1 is essential in higher cells for the entry into S-phase and mitosis. Description: CDK1 Human Recombinant produced in E Coli is a single, non-glycosylated polypeptide chain containing 317 amino acids (1-297 a.a) and having a molecular mass of 36.2kDa. CDK1 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Product Categories/Family for CDK1 recombinant protein	Protein Kinases

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502709
NCBI GeneID	983

NCBI Accession #	NP_001777.1
NCBI GenBank Nucleotide #	NM_001786.4
UniProt Accession #	P06493 ; O60764 ; A8K7C4 ; C9J497
Molecular Weight	27,503 Da
NCBI Official Full Name	cyclin-dependent kinase 1 isoform 1
NCBI Official Synonym Full Names	cyclin-dependent kinase 1
NCBI Official Symbol	CDK1
NCBI Official Synonym Symbols	CDC2; CDC28A; P34CDC2
NCBI Protein Information	cyclin-dependent kinase 1
UniProt Protein Name	Cyclin-dependent kinase 1
UniProt Gene Name	CDK1
UniProt Synonym Gene Names	CDC2; CDC28A; CDKN1; P34CDC2; CDK1
UniProt Entry Name	CDK1_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/cdk1-recombinant-protein-escherichia-coli/38035>