

Cyclin Dependent Kinase 5 (CDK5) Recombinant Protein | CDK5 recombinant protein

Recombinant Cyclin Dependent Kinase 5 (CDK5)

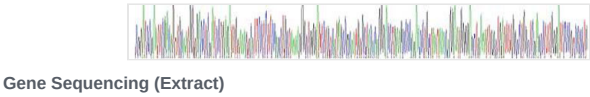
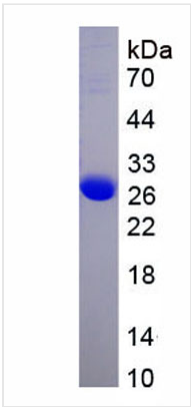
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA20226	E.coli	Homo sapiens (Human)	SDS-Page, Western Blot

PRODUCT SYNONYMS

Cyclin Dependent Kinase 5 (CDK5); Recombinant Cyclin Dependent Kinase 5 (CDK5); CDK5 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Homo sapiens (Human)
Purity/Purification	> 95%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.
Concentration	Original Concentration: 200ug/mL (varies by lot)
Sequence	DSCNGDLDP E IVKSFLFQLL KGLGFCHSRN VLHRDLKPQN LLINRNGELK LADFG LARAF GIPVRCYSAE VVT LWYRPPD VLF GAKLYST SIDMWSAGCI FAELANAGRP LFP GNDVDDQ LKRIFRLLGT PTEE QWPSMT KLPDYKPYP M YPATTSLVNV VP KLNATGRD LLQNLLKCNP VQ
Applicable Applications for CDK5 recombinant protein	Positive Control, Immunogen, SDS-PAGE, WB (Western Blot)
Application Notes	(May be suitable for use in other assays to be determined by the end user.)
Source	Prokaryotic expression
Residues	Asp92~Gln273
Tags	N-terminal His Tag
Subcellular Location	Membrane, Nucleus, Cytoplasm
Traits	Freeze-dried powder
Predicted isoelectric point	6.3
Usage	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	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. 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 and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.



SDS-PAGE
Figure. SDS-PAGE



Identification

NCBI AND UNIPROT INFORMATION

NCBI GI #	256542306
NCBI GeneID	1020
NCBI Accession #	NP_001157882.1
NCBI GenBank Nucleotide #	NM_001164410.1
UniProt Accession #	Q00535; A1XKG3
Molecular Weight	Predicted Molecular Mass: 27.1kDa Accurate Molecular Mass: 27kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	cyclin-dependent kinase 5 isoform 2
NCBI Official Synonym Full Names	cyclin-dependent kinase 5
NCBI Official Symbol	CDK5
NCBI Official Synonym Symbols	PSSALRE
NCBI Protein Information	cyclin-dependent kinase 5; TPKII catalytic subunit; protein kinase CDK5 splicing; cell division protein kinase 5; serine/threonine-protein kinase PSSALRE; tau protein kinase II catalytic subunit
UniProt Protein Name	Cyclin-dependent kinase 5
UniProt Gene Name	CDK5
UniProt Synonym Gene Names	CDKN5; TPKII catalytic subunit
UniProt Entry Name	CDK5_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.