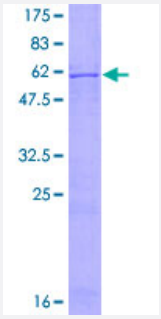
Full-Length

CDK5 (Human) Recombinant Protein (P01)

Catalog # H00001020-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CDK5 full-length ORF (NP_004926.1, 1 a.a. - 292 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MQKYEKLEKIGEGTYGTVFKAKNRETHEIVALKRVRLDDDDEGVPSSALREICLLKELKHKNIVRLH DVLHSDKKLTLVFEFCDQDLKKYFDSCNGDLDPEIVKSFLFQLLKGLGFCHSRNVLHRDLKPQNL LINRNGELKLADFGLARAFGIPVRCYSAEVVTLWYRPPDVLFGAKLYSTSIDMWSAGCIFAELANA GRPLFPGNDVDDQLKRIFRLLGTPTEEQWPSMTKLPDYKPYPMYPATTSLVNVVPKLNATGRDLL QNLLKCNPVQRISAEEALQHPYFSDFCPP
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	57.75
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CDK5

Entrez GeneID	1020
GeneBank Accession#	NM_004935.1
Protein Accession#	NP_004926.1
Gene Name	CDK5
Gene Alias	PSSALRE
Gene Description	cyclin-dependent kinase 5
Omim ID	123831
Gene Ontology	Hyperlink
Other Designations	protein kinase CDK5 splicing

Publication Reference

- Cdk5-mediated phosphorylation of c-Myc on Ser-62 is essential in transcriptional activation of cyclin B1 by cyclin G1.

  Seo HR, Kim J, Bae S, Soh JW, Lee YS.

  The Journal of Biological Chemistry 2008 Apr; 283(23):15601.

  Application: KA, WB, Human, NCI-H596 cells, Recombinant protein

Pathway

- Axon guidance

Disease

- Adenocarcinoma
- Alzheimer disease
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Kidney Failure
- Lung Neoplasms
- Obesity
- Pulmonary Disease
- Tobacco Use Disorder
- Urinary Bladder Neoplasms
- Werner syndrome