

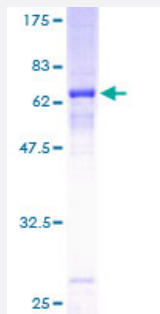
Full-Length

CDK6 (Human) Recombinant Protein (P01)

Catalog # H00001021-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human CDK6 full-length ORF (AAH52264, 1 a.a. - 326 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MEKDGLCRADQQYECVAEIGEGAYGKVFKARDLKNNGRFVALKRVRVQTGEEGMPLSTIREVAV
LRHLETFEHPNVVRLFDVCTVSRTDRETKLTLVFEHVDQDLTTYLDKVPEPGVPTETIKDMMFQLL
RGLDFLHSHRVVHRDLKPQNILVTSSGQIKLADFGGLARIYSFQMALTSVVVTLWYRAPEVLLQSSY
ATPVDLWSVGCIFAEMFRRKPLFRGSSDVDQLGKILDVIGLPGEEDWPRDVALPRQAFHKSQAQ
PIEKFVTDIDELGKDLLLKCLTFNPAKRISAYSALSHPYFQDLERCKENLDShLPPSQNTSELNTA

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

61.6

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 — CDK6

Entrez GeneID [1021](#)

GeneBank Accession# [BC052264](#)

Protein Accession# [AAH52264](#)

Gene Name CDK6

Gene Alias MGC59692, PLSTIRE, STQTL11

Gene Description cyclin-dependent kinase 6

Omim ID [603368](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is a member of the cyclin-dependent protein kinase (CDK) family. CDK family members are highly similar to the gene products of *Saccharomyces cerevisiae* cdc 28, and *Schizosaccharomyces pombe* cdc2, and are known to be important regulators of cell cycle progression. This kinase is a catalytic subunit of the protein kinase complex that is important for cell cycle G1 phase progression and G1/S transition. The activity of this kinase first appears in mid-G1 phase, which is controlled by the regulatory subunits including D-type cyclins and members of INK4 family of CDK inhibitors. This kinase, as well as CDK4, has been shown to phosphorylate , and thus regulate the activity of, tumor suppressor protein Rb. [provided by RefSeq

Other Designations cell division protein kinase 6

Pathway

- [Cell cycle](#)

- [Chronic myeloid leukemia](#)
- [Glioma](#)
- [Melanoma](#)
- [Non-small cell lung cancer](#)
- [p53 signaling pathway](#)
- [Pancreatic cancer](#)
- [Pathways in cancer](#)
- [Small cell lung cancer](#)

Disease

- [Adenocarcinoma](#)
- [Arthritis](#)
- [Autoimmune Diseases](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Growth Disorders](#)
- [Head and Neck Neoplasms](#)
- [Inflammation](#)

- [Kidney Failure](#)
- [Mouth Neoplasms](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Precancerous Conditions](#)
- [Recurrence](#)
- [Thyroid Neoplasms](#)
- [Urinary Bladder Neoplasms](#)
- [Wegener Granulomatosis](#)