

Recombinant Human CDK6 Protein, His-tagged

Cat. No. CDK6-728H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CDK6 Protein (Met1-Ala326) with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Ala326
Description	The protein encoded by this gene is a member of the CMGC family of serine/threonine protein kinases. 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. Altered expression of this gene has been observed in multiple human cancers. A mutation in this gene resulting in reduced cell proliferation, and impaired cell motility and polarity, and has been identified in patients with primary microcephaly.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 40.6 kDa; Accurate Molecular Mass: 41 kDa
Purity	> 95%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	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 centigrade 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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	CDK6 cyclin-dependent kinase 6 [Homo sapiens (human)]
Official Symbol	CDK6
Synonyms	CDK6; cyclin-dependent kinase 6; PLSTIRE; cell division protein kinase 6; serine/threonine-protein kinase PLSTIRE; MGC59692;
Gene ID	1021
mRNA Refseq	NM_001145306
Protein Refseq	NP_001138778

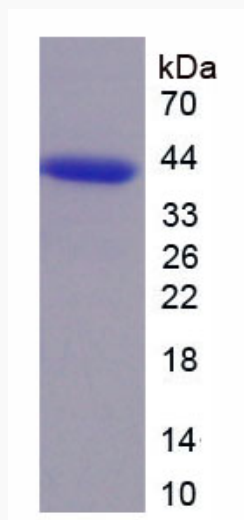
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MIM 603368

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