

Recombinant Full Length Human CDK6 Protein, His&Avi tagged

Cat. No. CDK6-13HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CDK6 Protein, Human (Sf9, His-Avi) is the recombinant human-derived CDK6, expressed by Sf9 insect cells, with N-His, N-Avi labeled tag. The total length of CDK6 Protein, Human (Sf9, His-Avi) is 326 a.a..
Species	Human
Source	Insect cells
ProteinLength	1-326 aa
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	Supplied as a 0.22 µm filtered solution of 50 mM Tris-HCl, 1 mM DTT, 200 mM NaCl, 20% glycerol, pH 7.5.

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Molecular Mass	41.3 KDa
Endotoxin	<1 EU/μg, determined by LAL method.
Purity	≥ 90% as determined by reducing SDS-PAGE.
Storage	Stored at -80 centigrade for 1 year from date of receipt. It is stable at -20 centigrade for 3 months after opening. It is recommended to freeze aliquots at -80 centigrade for extended storage. Avoid repeated freeze-thaw cycles.
Reconstitution	Please use rapid thawing with running water to thaw the protein.

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
MIM	603368
UniProt ID	Q00534

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