

Recombinant Human CDK10 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CDK10-645H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CDK10 MS Standard C13 and N15-labeled recombinant protein (NP_443714) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene belongs to the CDK subfamily of the Ser/Thr protein kinase family. The CDK subfamily members are highly similar to the gene products of <i>S. cerevisiae</i> cdc28, and <i>S. pombe</i> cdc2, and are known to be essential for cell cycle progression. This kinase has been shown to play a role in cellular proliferation and its function is limited to cell cycle G2-M phase. Multiple transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	40.9 kDa
AA Sequence	MAEPDLECEQIRLKCIRKEGFFTPPEHRLGRCRSVKEFEKLNRI GEGTYGIVYRAR DTQTDEIVALKKVRMDKEKDGIPISLREITLLLRLRHPNIVELKEVVVGNHLESIFLVM GYCEQDLASLLENMPTPFSEAQVKCIVLQVLRGLQYLHRNFIIHRDLKVSNLLMTDKG CVKTADFGRLARAYGVPVKPMTPKVVTLWYRAPELLLGTTTQTTSIDMWAVGCILAE LAHRPLLPGTSEIHQIDLIVQLLGTPSENIWPGFSKLPLVGQYSLRKQPYNNLKHKFP WLSEAGLRLLHFLFMYDPKKRATAGDCLESSYFKEKPLPCEPELMPTFPHHRNKRA APATSEGQSKRCKPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

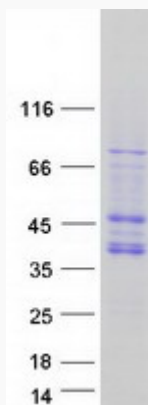
GENE INFORMATION

Gene Name	CDK10 cyclin-dependent kinase 10 [Homo sapiens (human)]
Official Symbol	CDK10
Synonyms	CDK10; cyclin-dependent kinase 10; cyclin dependent kinase (CDC2 like) 10; PISSLRE; CDC2-related protein kinase; cell division protein kinase 10; cyclin-dependent kinase (CDC2-like) 10; cyclin-dependent kinase related protein; serine/threonine protein kinase PISSLRE; serine/threonine-protein kinase PISSLRE;
Gene ID	8558
mRNA Refseq	NM_052988
Protein Refseq	NP_443714
MIM	603464
UniProt ID	Q15131

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SDS-PAGE

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