

Recombinant Full Length Human CDK10 Protein, GST-tagged

Cat. No. CDK10-3177HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CDK10 full-length ORF (NP_003665.2, 1 a.a. - 331 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	331 amino acids
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. [provided by RefSeq, May 2009]
Molecular Mass	64 kDa
AA Sequence	MGRCRSVKEFEKLNRI GEGTYGIVYRARDTQTDEIVALKKVRMDKEKDGIPISLREI TLLLRLRHPNIVELKEVVGNHLESIFLVMGYCEQDLASLLENMPTPFSEAQVKCIVL QVLRGLQYLHRNFIIHRDLKVSNLLMTDKGCVKTADFGLARAYGVPVKPMTPKVVTL WYRAPELLLGTTTQTTSIDMWAVGCILAELLAHRPLLPGTSEIHQIDLIVQLLGTPSENI WPGFSKLPLVGQYSLRKQPYNNLKHKFPWLSEAGLRLHFLFMYDPKKRATAGDCL ESSYFKEKPLPCEPELMPTFPHHRNKRAAPATSEGQSKRCKP

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	CDK10 cyclin-dependent kinase 10 [Homo sapiens]
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_001098533
Protein Refseq	NP_001092003
MIM	603464
UniProt ID	Q15131

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