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

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

## SPECIFICATION

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| **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 S. cerevisiae cdc28, and S. pombe 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** | MAEPDLECEQIRLKCIRKEGFFTVPPEHRLGRCRSVKEFEKLNRIGEGTYGIVYRAR DTQTDEIVALKKVRMDKEKDGIPISSLREITLLLRLRHPNIVELKEVVVGNHLESIFLVM GYCEQDLASLLENMPTPFSEAQVKCIVLQVLRGLQYLHRNFIIHRDLKVSNLLMTDKG CVKTADFGLARAYGVPVKPMTPKVVTLWYRAPELLLGTTTQTTSIDMWAVGCILAEL LAHRPLLPGTSEIHQIDLIVQLLGTPSENIWPGFSKLPLVGQYSLRKQPYNNLKHKFP WLSEAGLRLLHFLFMYDPKKRATAGDCLESSYFKEKPLPCEPELMPTFPHHRNKRA APATSEGQSKRCKPTRTRPLEQKLISEEDLAANDILDYKDDDDKV |

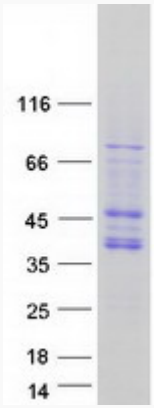
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| **Purity** | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| **Stability** | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| **Storage** | Store at -80 centigrade. Avoid repeated freeze-thaw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

## GENE INFORMATION

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| **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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