

# Product datasheet for TP300342M

### CDK5 (NM\_004935) Human Recombinant Protein

### **Product data:**

#### **Product Type: Recombinant Proteins Description:** Recombinant protein of human cyclin-dependent kinase 5 (CDK5), 100 µg Species: Human HEK293T **Expression Host:** Expression cDNA Clone >RC200342 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s) MOKYEKLEKIGEGTYGTVFKAKNRETHEIVALKRVRLDDDDEGVPSSALREICLLKELKHKNIVRLHDVL HSDKKLTLVFEFCDQDLKKYFDSCNGDLDPEIVKSFLFQLLKGLGFCHSRNVLHRDLKPQNLLINRNGEL KLADFGLARAFGIPVRCYSAEVVTLWYRPPDVLFGAKLYSTSIDMWSAGCIFAELANAGRPLFPGNDVDD QLKRIFRLLGTPTEEQWPSMTKLPDYKPYPMYPATTSLVNVVPKLNATGRDLLQNLLKCNPVQRISAEEA LQHPYFSDFCPP **TRTRPLEQKLISEEDLAANDILDYKDDDDKV** C-Myc/DDK Tag: Predicted MW: 33.1 kDa **Concentration:** >0.05 µg/µL as determined by microplate BCA method **Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining **Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol Recombinant protein was captured through anti-DDK affinity column followed by **Preparation:** conventional chromatography steps. Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. Store at -80°C. Storage: Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. RefSeq: NP 004926 Locus ID: 1020



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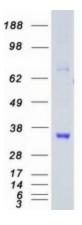
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### OriGene Technologies, Inc.

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	CDK5 (NM_004935) Human Recombinant Protein – TP300342M
UniProt ID:	<u>Q00535, A0A090N7W4</u>
RefSeq Size:	1211
Cytogenetics:	7q36.1
RefSeq ORF:	876
Synonyms:	LIS7; PSSALRE
Summary:	This gene encodes a proline-directed serine/threonine kinase that is a member of the cyclin- dependent kinase family of proteins. Unlike other members of the family, the protein encoded by this gene does not directly control cell cycle regulation. Instead the protein, which is predominantly expressed at high levels in mammalian postmitotic central nervous system neurons, functions in diverse processes such as synaptic plasticity and neuronal migration through phosphorylation of proteins required for cytoskeletal organization, endocytosis and exocytosis, and apoptosis. In humans, an allelic variant of the gene that results in undetectable levels of the protein has been associated with lethal autosomal recessive lissencephaly-7. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2015]
Protein Families	Druggable Genome, Protein Kinase
Protein Pathway	s: Alzheimer's disease, Axon guidance

## **Product images:**



Coomassie blue staining of purified CDK5 protein (Cat# [TP300342]). The protein was produced from HEK293T cells transfected with CDK5 cDNA clone (Cat# [RC200342]) using MegaTran 2.0 (Cat# [TT210002]).

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