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32-2964: CDK5 Recombinant Protein

Alternative Name :	Cyclin-dependent kinase 5,Cell division protein kinase 5,Serine/threonine-protein kinase PSSALRE,Tau protein kinase II catalytic subunit,CDK5,CDKN5,TPKII catalytic subunit,cyclin dependent kinase 5.

Description

Source : Escherichia Coli. CDK5 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 316 amino acids (1-292) and having a molecular mass of 35.8kDa. CDK5 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Cell division protein kinase 5 (CDK5) belongs to the cyclin-dependent kinase family. CDK5 is essential for appropriate development of the brain and in order to be activated CDK5 must link to CDK5R1 or CDK5R2. CDK5 doesn't need phosphorylation on the T loop so that binding with the activator is enough to activate the kinase. CDK5 is engaged in the processes of neuronal maturation and migration, phosphorylating the central intracellular adaptor of the reeling signaling chain.

Product Info

Amount :	20 µg
Purification :	Greater than 85% as determined by SDS-PAGE.
Content :	The CDK5 solution (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol 0.4M Urea.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSHMQKYEK LEKIGEGTYG TVFKAKNRET HEIVALKRVR LDDDDEGVPS SALREICLLK ELKHKNIVRL HDVLHSDKKL TLVFEFCDQD LKKYFDSCNG DLDPEIVKSF LFQLLKGLGF CHSRNVLHRD LKPQNLLINR NGELKLADFG LARAFGIPVR CYSAEVVTLW YRPPDVLFGA KLYSTSIDMW SAGCIFAELA NAGRPLFPGN DVDDQLKRIF RLLGTPTEEQ WPSMTKLPDY KPYPMYPATT SLVNVVPKLN ATGRDLLQNL LKCNPVQRIS AEEALQHPYF SDFCPP.

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