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32-6960: CDK5 Human, Sf9

Alternative Name :	CDK5, Cyclin Dependent Kinase 5, Serine/Threonine-Protein Kinase PSSALRE, Tau Protein Kinase II Catalytic Subunit, Cell Division Protein Kinase 5, TPKII Catalytic Subunit, Cyclin-Dependent-Like Kinase 5, Protein Kinase CDK5 Splicing, EC 2.7.11.22, EC 2.7.11.1, EC 2.7.11,Â PSSALRE, CDKN5, LIS7.Â Â Â

Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
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.
CDK5 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 298 amino acids (1-292a.a.) and having a molecular mass of 34.1kDa. (Molecular size on SDS-PAGE will appear at approximately 28-40kDa).CDK5 is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	1 µg / 5 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	CDK5 protein solution (0.25mg/ml) Phosphate Buffered Saline (pH 7.4) containing 40% glycerol and 1mM DTT.
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 :	MQKYEKLEKI GEGTYGTVFK AKNRETHEIV ALKRVRLDDD DEGVPSSALR EICLLKELKH KNIVRLHDVL HSDKKLTLVF EFCDQDLKKY FDSCNGDLDP EIVKSFLFQL LKGLGFCHSR NVLHRDLKPQ NLLINRNGEL KLADFGLARA FGIPVRCYSA EVVTLWYRPP DVLFGAKLYS TSIDMWSAGC IFAELANAGR PLFPGNDVDD QLKRIFRLLG TPTEEQWPSM TKLPDYKPYP MYPATTSLVN VVPKLNATGR DLLQNLLKCN PVQRISAEEA LQHPYFSDFC PPHHHHHH