Synthetic Cyclin-Dependent Kinase 5 Substrate (PKTPKKAKKL) Peptide

Catalog No.	CSI12400	**Quantity:**	1.0 mg

Description: The synthetic peptide PKTPKKAKKL can be used as a substrate for Cdk5 (cyclin-dependent kinase 5) for *in vitro* kinase assays. It is phosphorylated by Cdk5 with a Km of 6 µM.

Cdk5 is predominantly active in the nervous system and plays an essential role in neuronal development. Aberrant Cdk5 activity has been reported in neurodegenerative disorders such as Alzheimer´s disease, amylotrophic lateral sclerosis and Parkinsons´s disease.

Molecular Weight: 1138 g/mol

Formulation: Lyophilized. Reconstitution in dd H_2O.

Purity: 90 - 95% by HPLC

Sequence: PKTPKKAKKL

Storage & Stability: Quality guaranteed for 12 months
Store at -20°C
Avoid freeze / thaw cycles

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

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