



## Product Data Sheet

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Product Name:	CDK5 Substrate	
Catalog Number:	AS-60026-1 (1 mg)	Lot Number: See label on vial
Sequence:	H-Pro-Lys-Thr-Pro-Lys-Lys-Ala-Lys-Lys-Leu-OH (3-letter code) PKTPKKAKKL (1-letter code)	
Molecular Weight:	1138.5	
Peptide Purity:	>95%	
Appearance:	Lyophilized white powder	

**Peptide Reconstitution:** CDK5 is freely soluble in Water.

**Storage:** CDK5 is shipped at ambient temperature. Upon receipt, store lyophilized peptide at –20°C or lower. Reconstituted peptide can be aliquoted and stored at –20°C or lower.

**Description:** The native peptide PKTPKKAKKL (60026-1) is derived from histone H1 peptide sequence that is docked in the active site of cyclin-dependent kinase 5. It is an effective CDK5 substrate ( $K_m = 40 \mu\text{M}$ ). Ref: Lew, *J. Biochem.* **42**, 849 (2003); Sharma, P. et al. *J. Biol. Chem.* **274**, 9600 (1999).

**Published Citations:**

Kimura, Y. et al. *J. of Biosci. & Bioeng.* **107**, 10 (2009).

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