



Product Data Sheet

Product Name:	CDK5 Substrate	
Catalog Number:	AS-60026-1 (1 mg) AS-60026-5 (5 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).

Related Products:

Name	Cat #	Size
Biotin-PKTPKKAKKL	AS-60027-5	5 mg
CDK5 Substrate [PK-pT-PKKAKKL], Phosphorylated PK-pT-PKKAKKL	AS-29982-1	1 mg
CDK5 Substrate [PKTPKKAKKL], 5-FAM labeled	AS-29980-1	1 mg
5-FAM-PKTPKKAKKL	AS-29980-5	5 mg
CDK5 Substrate [PKTPKKAKKL], 5-TMR labeled	AS-29981-1	1 mg
5-TMR-PKTPKKAKKL		

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