

CDK5/CDK5R1

Recombinant Human CDK5/p25NCK Dimeric Complex

Catalog No.	CRC036A	Quantity:	10 µg
Alternate Names:	CDK5/CDK5R1 dimeric complex		
Description:	Coexpression of human CDK5, amino acids M ₁ -P ₂₉₂ (as in GenBank NM_004935)*, N-terminally fused to GST-HIS ₆ -Thrombin cleavage site and human p25NCK, amino acids A ₉₉ -R ₃₀₇ (as in GenBank NM_003885)*, N-terminally fused to HIS ₆ -Thrombin cleavage site. CDK5/p25NCK, SP007, was confirmed as CDK5/p25NCK by specific Western Blotting using anti CDK5 and p25NCK antibodies.		
Concentration:	0.102 mg/ml (Bradford method using BSA as standard protein)		
Gene ID:	1020 (CDK5); 8851 (p25NCK)		
Protein Accession No:	NP_004926 (CDK5); NP_003876 (p25NCK)		
Source:	Baculovirus infected Sf9 cells		
Molecular Weight:	62.841 kDa (GST-CDK5); 28.134 kDa (p25NCK)		
Formulation:	Liquid in 50 mM Tris-HCl, pH 8.0 + 100 mM NaCl + 5 mM DTT + 4 mM reduced glutathione + 20% glycerol		
Purity:	One-step affinity purification using GSH-agarose		
Specific Activity:	16 pmol/µg×min determined by assay: 60 mM HEPES-NaOH, pH 7.5 3 mM MgCl ₂ 3 mM MnCl ₂ 3 µM Na-orthovanadate 1.2 mM DTT 2.5 µg / 50 µl PEG _{20,000} ATP (variable) Substrate: Rb-CTF, 10 µg / 50 µl Recombinant CDK5/p25NCK: 200 ng / 50 µl Filter binding assay MSFC membrane		
Storage & Stability:	Store at -80°C. Avoid repeated freeze-thaw cycles.		

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