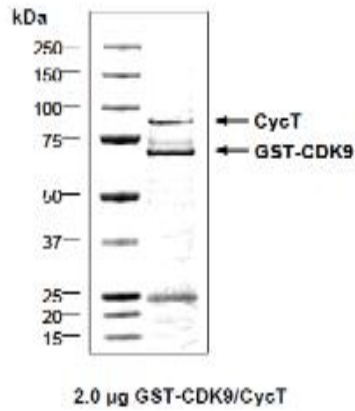


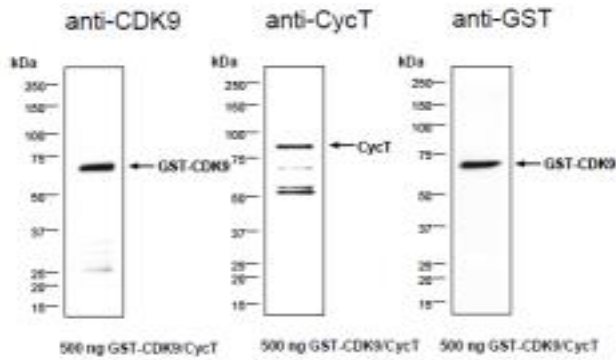
Recombinant Human CDK9/CCNT1 complex (CycT complex) Active GST-His

Catalog No.	CRC041A	Quantity:	10 µg
Alternate Names:	CCNT, CYCT1, CDK9-associated C-type protein, cyclin C-related protein, cyclin T1b, subunit of positive elongation transcription factor b		
Description:	Coexpression of human CDK9, amino acids M ₁ -F ₃₇₂ (as in GenBank entry NM_001261.2) *, N-terminally fused to GST-HIS ₆ -Thrombin cleavage site and human CycT, amino acids M ₁ - K ₇₂₆ (as in GenBank entry NM_001240.2)*, N-terminally fused to HIS ₆ -Thrombin cleavage site *Sequence may contain documented polymorphisms Detailed sequence on request		
Concentration:	0.168 µg/µl		
Gene ID:	904		
Protein Accession No:	NM_001261.2		
Source:	Baculovirus infected Sf9 cells		
Molecular Weight:	Theoretical MW _{GST-CDK9} : 72,173 Da Theoretical MW _{CycT} : 85,441 Da		
Formulation:	50 mM Tris-HCl + pH 8.0 + 100 mM NaCl + 5 mM DTT + 4 mM reduced glutathione, 20% glycerol		
Purification:	One-step affinity purification using GSH-agarose		
Product Identity:	CDK9/CycT, was confirmed as CDK9/CycT by specific Western Blotting using anti CDK9 and CycT antibodies		
Specific Activity:	26 pmol/µg×min Method for determination of K _m value and specific activity: Assay conditions: 660 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 CDK9/CycT: 200 ng / 50 µl • Filter binding assay MSFC membrane (Millipore)		
Storage & Stability:	Store in working aliquots at -80°C. Avoid repeated freeze-thaw cycles.		

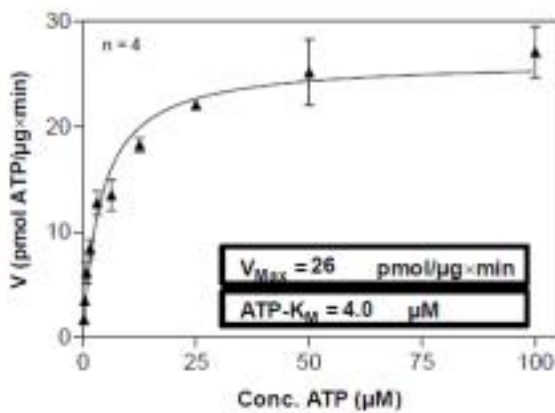




Coomassie stain:



Western blot analysis:



Determination of K_m value for ATP:

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