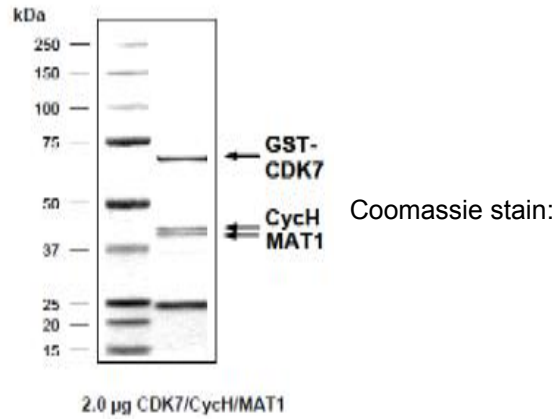


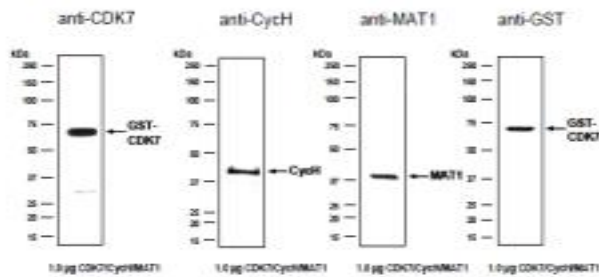
Recombinant Human CDK7/CCNH/MNAT1 complex Active GST-His

Catalog No.	CRC039A	Quantity:	10 µg
Alternate Names:	CAK		
Description:	<p>Coexpression of human CDK7, amino acids M₁-F₃₄₆ (as in GenBank entry NM_001799)*, N-terminally fused to GST-HIS₆-Thrombin cleavage site and human Cych, amino acids M1-L323 (as in GenBank entry NM_001239)*, and human MAT1, amino acids M₁-S₃₀₉ (as in GenBank entry NM_002431)*, both N-terminally fused to HIS₆-Thrombin cleavage site.</p> <p>*Sequence may contain documented polymorphisms Detailed sequence on request</p>		
Concentration:	0.139 µg/µl		
Gene ID:	1022/902/4331		
Protein Accession No:	NM_001239		
Source:	Baculovirus infected Sf9 cells		
Molecular Weight:	Theoretical MW _{GST-CDK7} : 68,934 Da Theoretical MW _{Cych} : 42,400 Da Theoretical MW _{MAT1} : 40,579 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:	CDK7/Cych/MAT1, was confirmed as CDK7/Cych/MAT1 by specific Western Blotting		
Specific Activity:	22 pmol/µg×min Method for determination of K _m value and specific activity: Assay conditions: 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 CDK7/Cych/MAT1: 200 ng / 50 µl • Filter binding assay MSFC membrane (Millipore)		
Storage & Stability:	Store in working aliquots at -80°C. Avoid repeated freeze-thaw cycles.		

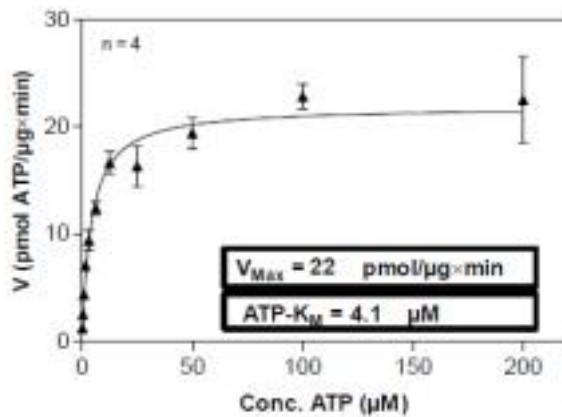




Coomassie stain:



Western blot analysis:



Determination of K_m value for ATP:

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