

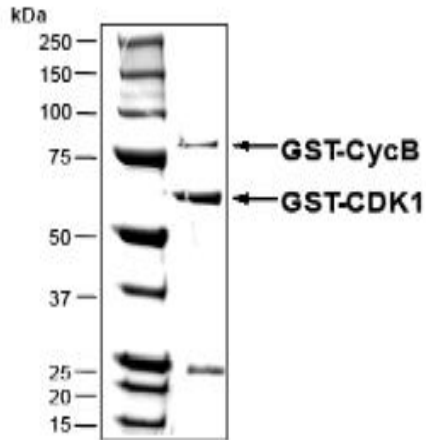
CDK1, CCNB1

Recombinant Human CDK1 / Cyclin B1 Active (GST, His Tag)

Catalog No.	CRC026A	Quantity:	10 µg
Alternate Names:	Cyclin-dependent kinase 1, CDK1, Cell division control protein 2 homolog & G2/mitotic-specific cyclin-B1, Cyclin B1, CCNB1		
Description:	Recombinant Human active protein kinase. Coexpression of human Cyclin-dependent kinase 1 (CDK1) amino acids M1- M297 and human CCNB1, amino acids M1-V433, both N-terminally fused to GST-HIS ₆		
UniProt ID:	P06493, P14635		
Source:	Sf9 cells		
Molecular Weight:	GST-CDK1: 63.882 kDa, predicted GST-CCNB1: 78.925 kDa, predicted		
Concentration:	Lot specific, < 1 mg/ml, determination by Bradford method using BSA as the standard		
Identity:	Determined by mass spectroscopy LC-ESI-MS/MS		
Formulation:	50 mM HEPES, pH 7.5, 100 mM NaCl, 5 mM DTT, 15 mM reduced glutathione, 20% glycerol		
Purification:	GST-affinity chromatography		
Biological 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, 2.5 µg/ml Recombinant CDK1/CycB1: 1 µg/ml Filter binding assay MSFC membrane (Millipore)		
Specific Activity:	7.6 pmol/µg x min ATP-K _m : 0.8 µM		
Storage & Stability:	Upon initial thaw, prepare working aliquots and store at -80°C. Avoid repeated freeze-thaw cycles.		

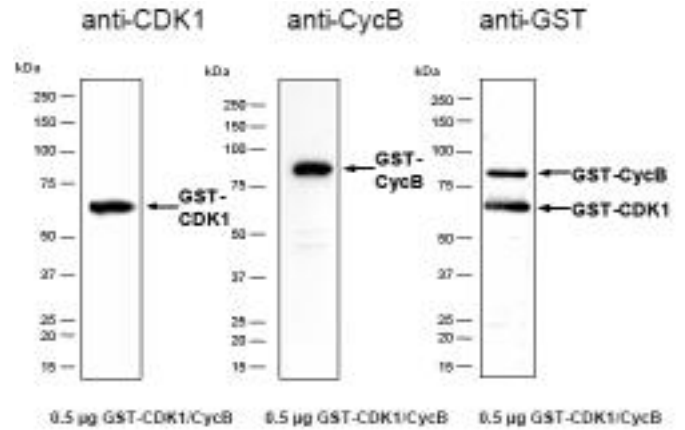


Coomassie stain:



2.0 µg GST-CDK1/CycB

Western Blot analysis:



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



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