

CDK4/CCND1

Recombinant Human Cyclin-Dependent Kinase 4 (aa 4-303)/ Cyclin D1 (aa 4-295)Complex GST-His Tagged Active

Catalog No.	CRC033	Quantity:	50 µg
Alternate Names:	CMM3 BCL1, PRAD1		
Description:	Coexpression of human CDK4, amino acids S ₄ -E ₃₀₃ (as in GenBank entry NM_000075)* and human CCND1, amino acids Q ₄ -I ₂₉₅ (as in GenBank entry NM_053056)*, both N-terminally fused to GST-Thrombin cleavage site. *Sequence may contain documented polymorphisms. Detailed sequence available upon request.		
Concentration:	0.183 mg/ml		
Source:	Sf9 cells		
Molecular Weight:	GST-CDK4: 59.7 kDa GST-CCND1: 59.99 kDa		
Formulation:	Liquid in 50 mM HEPES, pH 7.5 + 100 mM NaCl + 5 mM DTT + 4 mM reduced glutathione + 20% glycerol		
Purification:	Affinity purified using GSH-agarose		
Specific Activity:	154 pmol/µg x min Method for determination of K _m value & 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, 5 µg / 50 µl CDK4/CCND1: 200 ng / 50 µl Filter binding assay MSFC membrane (Millipore)		



Storage & Stability: Store in working aliquots at -80°C. **Avoid repeated freeze-thaw cycles.**



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

