

## CDK8:CCNC

# Recombinant Human Cyclin-Dependent Kinase 8:Cyclin C, His Tag

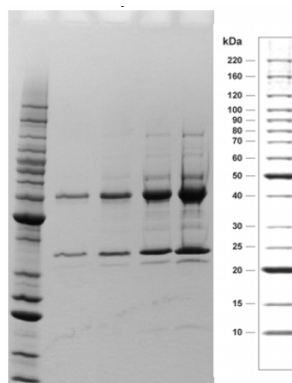
<b>Catalog No.</b>	CSI12414	<b>Quantity:</b>	10 µg
<b>Alternate Names:</b>	Cyclin-Dependent Kinase 8, Protein kinase K35, Cyclin C, SRB11 homolog		
<b>Description:</b>	Recombinant human full length protein, Histidine-tagged, expressed in baculovirus/insect cells. Activated in-vitro via auto-phosphorylation.		
<b>UniProt ID:</b>	CDK8: P49336 CCNC: P24863		
<b>Source:</b>	Baculovirus		
<b>Molecular Weight:</b>	CDK8: 57.4 kDa CCNC: 39.6 kDa		
<b>Formulation:</b>	50 mM Tris, pH 7.5, 150 mM NaCl, 0.5 mM EDTA, 0.02% Triton X-100, 2 mM DTT, 50% glycerol		
<b>Purity:</b>	80% as determined by a Coomassie® blue stained SDS-PAGE gel. CDK8/cyclin C was subjected to proteolytic digest followed by mass spec analysis. The resulting MS/MS data verified CDK8/cyclin C identity by comparison against the amino acid sequences of the recombinant protein.		
<b>Concentration:</b>	0.5 mg/ml total protein, lot specific, as measured using the Bradford protein assay with BSA as a standard.		
<b>Biological Activity:</b>	Performance tested in the LanthaScreen® Eu Binding Assay.		
<b>Specific Activity:</b>	Lot specific, example: 72 nmole of phosphate transferred to RbING peptide substrate (INGSPRTPRRGQNR) per minute per mg of total protein at 30°C. Activity determined at a final protein concentration of 8.33 µg/ml.		

**Amino Acid Sequence:** MSYYHHHHHH DYDIPTTENL YFQGITSLYK KAGTMDYDFK VKLSSERERV  
EDLFEYEGCK VGRGTYGHVY KAKRKDGKDD KDYALKQIEG TGISMSACRE  
IALRELKHP NVISLQKVFL SHADRKVVLL FDYAEHDLWH IIFHRASKA  
NKKPVQLPRG MVKSLLYQIL DGIHYLHANW VLHRDLKPAN ILVMGEGPER  
GRVKIADMGF ARLFNSPLKP LADLDPVVVT FWYRAPELL GARHYTKAID  
IWAIGCIFAE LLTSEPIFHC RQEDIKTSNP YHHDQLDRIF NVMGF PADKD  
WEDIKKMPEH STLMKDFRRN TYTNCSLIKY MEKHVKPDS KAFHLLQKLL  
TMDPIKRITS EQAMQDPYFL EDPLPTSDVF AGCQIPYPKR EFLTEEEPDD  
KGDKNQQQQ QGNHTNGTG HPGNQDSSHT QGPPLKKVRV VPPTTTSGGL  
IMTSDYQRSN PHAAYPNPGP STSQPQSSMG YSATSQQPPQ YSHQTHRY

MSYYHHHHHH DYDIPTTENL YFQGITSLYK KAGTMVAPRP LRRVVLFYQG  
KLCSMAGNFW QSSHYLQWIL DKQDLLKERQ KDLKFLSEEE YWKLQIFFTN  
VIQALGEHLK LRQQVIATAT VYFKRFYARY SLKSIDPVL M APTCVFLASK  
VEEFGVVSNT RLIAAATSVL KTRFSYAFPK EFPYRMNHIL ECFYLLLELM  
DCCLIVYHPY RPLLQYVQDM GQEDMLLPLA WRIVNDTYRT DLCLLYPPFM  
IALACLHVAC VVQQKDARQW FAELSVDMEK ILEIIRVILK LYEQWKNFDE  
RKEMATILSK MPKPKPPPNS EGEQGPNGSQ NSSYSQS

**Storage & Stability:** Stable for 6 months at -80°C. Do not aliquot. The vial can be used in the original packaging until exhausted. **Do not store diluted kinase.**

The SDS-PAGE and/or Native PAGE were run on 4-20% Tris-Glycine gels. Lane 1: MW markers. Lanes 2-5: 1, 2, 5, 10 µg CDK8/cyclin C:



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